

DEPARTMENT OF THE NAVY

FY 2005

BUDGET ESTIMATES



MILITARY CONSTRUCTION AND  
FAMILY HOUSING PROGRAMS

JUSTIFICATION DATA

Submitted to Congress

February 2004

DEPARTMENT OF THE NAVY  
FY 2005 Military Construction and Family Housing Program

Table of Contents

STATE LIST	i
MISSION LIST	iii
INDEX OF LOCATIONS FOR NAVY ONLY	ix
INDEX OF LOCATIONS FOR MARINE CORPS ONLY	xv
MISSION STATUS INDEX	xvii
INSTALLATION INDEX	xxi
APPROPRIATION LANGUAGE	xxiii
SPECIAL PROGRAM CONSIDERATIONS	xxv
PROJECT JUSTIFICATIONS - INSIDE THE UNITED STATES	1
PROJECT JUSTIFICATIONS - OUTSIDE THE UNITED STATES	233
PLANNING AND DESIGN	279
UNSPECIFIED MINOR CONSTRUCTION	281
FAMILY HOUSING	1

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Summary of Locations

<u>State/Country</u>	Authorization Request	Appropriation Request
<u>Inside The United States</u>		
ARIZONA	26,670	26,670
CALIFORNIA	92,786	97,476
CONNECTICUT	45,882	45,882
DISTRICT OF COLUMBIA	3,239	3,239
FLORIDA	8,260	8,260
GEORGIA	16,000	16,000
ILLINOIS	74,781	132,971
MARYLAND	13,900	13,900
NEW JERSEY	0	49,200
NORTH CAROLINA	178,460	137,210
VIRGINIA	75,120	115,120
WASHINGTON	225,520	90,200
WORLDWIDE	158,640	98,560
Subtotal	919,258	834,688
<u>Outside the United States</u>		
BAHAMAS	20,750	20,750
BR INDIAN OCEAN TERR	17,500	17,500
GUAM	33,200	33,200
ITALY	22,550	22,550
SPAIN	32,700	32,700
Subtotal	126,700	126,700
<u>Various Locations</u>		
Various Locations	99,067	99,067
Subtotal	99,067	99,067
Total - FY 2005 Military Construction Program	1,145,025	1,060,455

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Navy and Marine Corps

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
<u>Inside the United States</u>						
ARIZONA						
		MARINE CORPS AIR STATION YUMA, ARIZONA				
	440	BACHELOR ENLISTED QUARTERS	18,740	18,740	Current	7
	485	STATION ORDNANCE AREA - PHASE III	7,930	7,930	Current	3
		Subtotal	26,670	26,670		
		Total - ARIZONA	26,670	26,670		
CALIFORNIA						
		MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA				
	032	CONSOLIDATED OPERATIONS CENTER	4,910	4,910	Current	17
	038	WEIGHT HANDLING EQUIPMENT SHOP	6,630	6,630	Current	13
		Subtotal	11,540	11,540		
		MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA				
	014	BACHELOR ENLISTED QUARTERS, HEADQUARTERS (13) AREA	19,975	19,975	Current	33
	002A	TERTIARY SEWAGE TREATMENT PLANT (INCREMENT II)	0	25,690	Current	27
	613	CLOSE COMBAT BATTLE COURSE	6,940	6,940	Current	23
		Subtotal	26,915	52,605		
		NAVAL AIR FACILITY EL CENTRO, CALIFORNIA				
	207	HANGAR RECAPITALIZATION, WEST APRON (INCREMENT I)	54,331	33,331	Current	39
		Subtotal	54,331	33,331		
		Total - CALIFORNIA	92,786	97,476		
CONNECTICUT						
		NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT				
	463	PIER 6 REPLACEMENT	28,782	28,782	Current	47
	462	MK-10 SUBMARINE ESCAPE TRAINER	17,100	17,100	Current	51
		Subtotal	45,882	45,882		
		Total - CONNECTICUT	45,882	45,882		
DISTRICT OF COLUMBIA						

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Navy and Marine Corps

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
	050	(ANACOSTIA) U.S. NAVAL OBSERVATORY WASHINGTON, DISTRICT OF COLUMBIA ATOMIC CLOCK FACILITY	3,239	3,239	Current	59
		Subtotal	3,239	3,239		
		Total - DISTRICT OF COLUMBIA	3,239	3,239		
FLORIDA						
	450	EGLIN A F B (NSWC DIV INDIAN HEAD) EGLIN A F B, FLORIDA EGLIN AFB ROAD IMPROVEMENTS	2,060	2,060	Current	65
		Subtotal	2,060	2,060		
	189	NAVAL STATION MAYPORT, FLORIDA AIRFIELD CONTROL TOWER	6,200	6,200	Current	71
		Subtotal	6,200	6,200		
		Total - FLORIDA	8,260	8,260		
GEORGIA						
	594	STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA ENCLAVE FENCING AND PARKING	16,000	16,000	Current	77
		Subtotal	16,000	16,000		
		Total - GEORGIA	16,000	16,000		
ILLINOIS						
	738	NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS RTC RECRUIT BARRACKS	35,920	35,920	Current	91
	739	RTC RECRUIT BARRACKS	38,851	38,851	Current	87
	745A	BATTLE STATIONS (INCREMENT II)	10	58,200	Current	83
		Subtotal	74,781	132,971		
		Total - ILLINOIS	74,781	132,971		
MARYLAND						
	161	NAVAL SURFACE WARFARE DIV INDIAN HEAD INDIAN HEAD, MARYLAND AGILE CHEMICAL FACILITY	13,900	13,900	Current	99
		Subtotal	13,900	13,900		
		Total - MARYLAND	13,900	13,900		
NEW JERSEY						

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Navy and Marine Corps

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
	032A	ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY GENERAL PURPOSE BERTHING PIER (INCREMENT II)	0	49,200	Current	107
		Subtotal	0	49,200		
		Total - NEW JERSEY	0	49,200		
NORTH CAROLINA						
	1041	MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA ARMORY, CAMP GEIGER	4,010	4,010	Current	119
	1075	COMBAT TRAINING POOL	2,410	2,410	Current	115
		Subtotal	6,420	6,420		
	630	MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA BACHELOR ENLISTED QUARTERS	20,780	20,780	Current	129
	617	SIMULATOR ADDITION	2,270	2,270	Current	133
	648	AIRCRAFT MAINTENANCE TRAINING FACILITY	12,090	12,090	Current	125
		Subtotal	35,140	35,140		
	691	NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA OUTLYING LANDING FIELD (OLF) LAND ACQ (INCR I)	131,750	61,750	New	143
	689A	OUTLYING LANDING FIELD (OLF) FACILITIES (INCR II)	5,150	33,900	New	139
		Subtotal	136,900	95,650		
		Total - NORTH CAROLINA	178,460	137,210		
VIRGINIA						
	820	MARINE CORPS CAMP ELMORE NORFOLK, VIRGINIA MARINE FORCE ATLANTIC COMMAND OPERATIONS FACILITY	13,500	13,500	Current	149
		Subtotal	13,500	13,500		
	541	NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA GATE 5 SECURITY IMPROVEMENTS - CT	2,850	2,850	Current	155
		Subtotal	2,850	2,850		

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Navy and Marine Corps

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
		NAVAL STATION				
		NORFOLK, VIRGINIA				
	611	GATE 5 SECURITY IMPROVEMENTS (CT)	4,330	4,330	Current	161
	094A	PIER 11 REPLACEMENT (INCREMENT II)	0	40,000	Current	165
		Subtotal	4,330	44,330		
		MARINE CORPS AIR FACILITY				
		QUANTICO, VIRGINIA				
	449	MAINTENANCE HANGAR TYPE I	21,180	21,180	Current	173
		Subtotal	21,180	21,180		
		MARINE CORPS COMBAT DEVELOPMENT COMMAND				
		QUANTICO, VIRGINIA				
	531	BACHELOR ENLISTED QUARTERS (THE BASIC SCHOOL)	15,090	15,090	Current	185
	539	ARMORY (THE BASIC SCHOOL)	4,580	4,580	Current	181
	667	PAVE HERITAGE CENTER ROADS	950	950	Current	179
		Subtotal	20,620	20,620		
		NAVAL AIR STATION OCEANA				
		VIRGINIA BEACH, VIRGINIA				
	555	POST 2 SECURITY IMPROVEMENTS (CT)	2,770	2,770	Current	191
		Subtotal	2,770	2,770		
		ATLANTIC ORDNANCE COMMAND				
		YORKTOWN, VIRGINIA				
	518	ORDNANCE VEHICLE MAINTENANCE SHOP	9,870	9,870	Current	197
		Subtotal	9,870	9,870		
		Total - VIRGINIA	75,120	115,120		
WASHINGTON		NAVAL STATION BREMERTON				
		BREMERTON, WASHINGTON				
	305	BACHELOR ENLISTED QTRS HOMEPORT ASHORE (INCR I)	74,125	34,125	Current	205
		Subtotal	74,125	34,125		
		PUGET SOUND NAVAL SHIPYARD				
		BREMERTON, WASHINGTON				
	346	CVN MAINTENANCE COMPLEX	20,305	20,305	Current	213
		Subtotal	20,305	20,305		

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Navy and Marine Corps

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
	973	STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC)	131,090	35,770	Current	219
		Subtotal	131,090	35,770		
		Total - WASHINGTON	225,520	90,200		
WORLDWIDE		VARIOUS LOCATIONS <u>WORLDWIDE</u>				
	448	PRESIDENTIAL AIRCRAFT MAINT HANGAR (WHITE SIDE)	52,658	18,560	Current	229
	159	PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FACILITY	105,982	80,000	New	225
		Subtotal	158,640	98,560		
		Total - WORLDWIDE	158,640	98,560		
		Total - Inside The United States	919,258	834,688		
		<u>Outside the United States</u>				
BAHAMAS		NAVAL UNDERSEA WARFARE CENTER DET AUTEC ANDROS ISLAND, BAHAMAS				
	200	BACHELORS QUARTERS	20,750	20,750	Current	235
		Subtotal	20,750	20,750		
		Total - BAHAMAS	20,750	20,750		
BR INDIAN OCEAN TERR		NAVY SUPPORT FACILITY DIEGO GARCIA, NAVAL FAC, BR INDIAN OCEAN TERR				
	146	SOLID WASTE MANAGEMENT CENTER	17,500	17,500	Current	241
		Subtotal	17,500	17,500		
		Total - BR INDIAN OCEAN TERR	17,500	17,500		
GUAM						

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Navy and Marine Corps

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
		(MARIANA ISLANDS, GUAM) NAVY PUBLIC WORKS CTR				
		AGAT, GUAM				
	256	FENA WATER TREATMENT PLANT UPGRADE	20,700	20,700	Current	247
		Subtotal	20,700	20,700		
		COMMANDER NAVAL FORCES MARIANAS				
		FINEGAYAN, GUAM				
	451	KILO WHARF IMPROVEMENTS	12,500	12,500	Current	255
		Subtotal	12,500	12,500		
		Total - GUAM	33,200	33,200		
ITALY		NAVAL AIR STATION				
		SIGONELLA SICILY, ITALY				
	265	ACCESS IMPROVEMENTS	7,430	7,430	Current	267
	640	BASE OPERATIONS SUPPORT II	15,120	15,120	Current	263
		Subtotal	22,550	22,550		
		Total - ITALY	22,550	22,550		
SPAIN		NAVAL STATION				
		ROTA, SPAIN				
	645	CONSOLIDATE COMMAND OPS & SUPPORT FAC	32,700	32,700	Current	273
		Subtotal	32,700	32,700		
		Total - SPAIN	32,700	32,700		
		Total - Outside The United States	126,700	126,700		
		<u>Various Locations</u>				
	205	PLANNING AND DESIGN	87,067	87,067	Current	279
	205	UNSPECIFIED MINOR CONSTRUCTION	12,000	12,000	Current	281
		Total - Various Locations	99,067	99,067		
		Total - FY 2005 Military Construction Program	1,145,025	1,060,455		
		Grand Total	1,145,025	1,060,455		

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Navy

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
<u>Inside the United States</u>						
CALIFORNIA						
		NAVAL AIR FACILITY <u>EL CENTRO, CALIFORNIA</u>				
	207	HANGAR RECAPITALIZATION, WEST APRON (INCREMENT I)	54,331	33,331	Current	39
		Subtotal	54,331	33,331		
		Total - CALIFORNIA	54,331	33,331		
CONNECTICUT						
		NAVAL SUBMARINE BASE NEW LONDON <u>GROTON, CONNECTICUT</u>				
	463	PIER 6 REPLACEMENT	28,782	28,782	Current	47
	462	MK-10 SUBMARINE ESCAPE TRAINER	17,100	17,100	Current	51
		Subtotal	45,882	45,882		
		Total - CONNECTICUT	45,882	45,882		
DISTRICT OF COLUMBIA						
		(ANACOSTIA) U.S. NAVAL OBSERVATORY <u>WASHINGTON, DISTRICT OF COLUMBIA</u>				
	050	ATOMIC CLOCK FACILITY	3,239	3,239	Current	59
		Subtotal	3,239	3,239		
		Total - DISTRICT OF COLUMBIA	3,239	3,239		
FLORIDA						
		<u>EGLIN A F B (NSWC DIV INDIAN HEAD)</u> <u>EGLIN A F B, FLORIDA</u>				
	450	EGLIN AFB ROAD IMPROVEMENTS	2,060	2,060	Current	65
		Subtotal	2,060	2,060		
		NAVAL STATION <u>MAYPORT, FLORIDA</u>				
	189	AIRFIELD CONTROL TOWER	6,200	6,200	Current	71
		Subtotal	6,200	6,200		
		Total - FLORIDA	8,260	8,260		
GEORGIA						
		STRATEGIC WEAPONS FACILITY, ATLANTIC <u>KINGS BAY, GEORGIA</u>				
	594	ENCLAVE FENCING AND PARKING	16,000	16,000	Current	77
		Subtotal	16,000	16,000		
		Total - GEORGIA	16,000	16,000		
ILLINOIS						
		NAVAL TRAINING CENTER				

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Navy

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
		<u>GREAT LAKES, ILLINOIS</u>				
	738	RTC RECRUIT BARRACKS	35,920	35,920	Current	91
	739	RTC RECRUIT BARRACKS	38,851	38,851	Current	87
	745A	BATTLE STATIONS (INCREMENT II)	10	58,200	Current	83
		Subtotal	74,781	132,971		
		Total - ILLINOIS	74,781	132,971		
MARYLAND		NAVAL SURFACE WARFARE DIV INDIAN HEAD				
		<u>INDIAN HEAD, MARYLAND</u>				
	161	AGILE CHEMICAL FACILITY	13,900	13,900	Current	99
		Subtotal	13,900	13,900		
		Total - MARYLAND	13,900	13,900		
NEW JERSEY		ATLANTIC ORDNANCE COMMAND DET EARLE				
		<u>COLTS NECK, NEW JERSEY</u>				
	032A	GENERAL PURPOSE BERTHING PIER (INCREMENT II)	0	49,200	Current	107
		Subtotal	0	49,200		
		Total - NEW JERSEY	0	49,200		
NORTH CAROLINA		NOLF WASHINGTON COUNTY NC				
		<u>PLYMOUTH, NORTH CAROLINA</u>				
	691	OUTLYING LANDING FIELD (OLF) LAND ACQ (INCR I)	131,750	61,750	New	143
	689A	OUTLYING LANDING FIELD (OLF) FACILITIES (INCR II)	5,150	33,900	New	139
		Subtotal	136,900	95,650		
		Total - NORTH CAROLINA	136,900	95,650		
VIRGINIA		NAVAL AMPHIBIOUS BASE LITTLE CREEK				
		<u>NORFOLK, VIRGINIA</u>				
	541	GATE 5 SECURITY IMPROVEMENTS - CT	2,850	2,850	Current	155
		Subtotal	2,850	2,850		
		NAVAL STATION				
		<u>NORFOLK, VIRGINIA</u>				
	611	GATE 5 SECURITY IMPROVEMENTS (CT)	4,330	4,330	Current	161
	094A	PIER 11 REPLACEMENT (INCREMENT II)	0	40,000	Current	165
		Subtotal	4,330	44,330		
		NAVAL AIR STATION OCEANA				

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Navy

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
	555	<u>VIRGINIA BEACH, VIRGINIA</u> POST 2 SECURITY IMPROVEMENTS (CT)	2,770	2,770	Current	191
		Subtotal	2,770	2,770		
	518	ATLANTIC ORDNANCE COMMAND <u>YORKTOWN, VIRGINIA</u> ORDNANCE VEHICLE MAINTENANCE SHOP	9,870	9,870	Current	197
		Subtotal	9,870	9,870		
		Total - VIRGINIA	19,820	59,820		
WASHINGTON						
	305	NAVAL STATION BREMERTON <u>BREMERTON, WASHINGTON</u> BACHELOR ENLISTED QTRS HOMEPORT ASHORE (INCR I)	74,125	34,125	Current	205
		Subtotal	74,125	34,125		
	346	PUGET SOUND NAVAL SHIPYARD <u>BREMERTON, WASHINGTON</u> CVN MAINTENANCE COMPLEX	20,305	20,305	Current	213
		Subtotal	20,305	20,305		
	973	STRATEGIC WEAPONS FACILITY PACIFIC <u>SILVERDALE, WASHINGTON</u> LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC)	131,090	35,770	Current	219
		Subtotal	131,090	35,770		
		Total - WASHINGTON	225,520	90,200		
WORLDWIDE						
	448	VARIOUS LOCATIONS <u>WORLDWIDE</u> PRESIDENTIAL AIRCRAFT MAINT HANGAR (WHITE SIDE)	52,658	18,560	Current	229
	159	PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FACILITY	105,982	80,000	New	225
		Subtotal	158,640	98,560		
		Total - WORLDWIDE	158,640	98,560		
		Total - Inside The United States	757,273	647,013		

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Navy

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
<u>Outside the United States</u>						
BAHAMAS		NAVAL UNDERSEA WARFARE CENTER DET AUTEC				
		<u>ANDROS ISLAND, BAHAMAS</u>				
	200	BACHELORS QUARTERS	20,750	20,750	Current	235
		Subtotal	20,750	20,750		
		Total - BAHAMAS	20,750	20,750		
BR INDIAN OCEAN TERR		NAVY SUPPORT FACILITY				
		<u>DIEGO GARCIA, NAVAL FAC, BR INDIAN OCEAN TERR</u>				
	146	SOLID WASTE MANAGEMENT CENTER	17,500	17,500	Current	241
		Subtotal	17,500	17,500		
		Total - BR INDIAN OCEAN TERR	17,500	17,500		
GUAM		(MARIANA ISLANDS, GUAM) NAVY PUBLIC WORKS CTR				
		<u>AGAT, GUAM</u>				
	256	FENA WATER TREATMENT PLANT UPGRADE	20,700	20,700	Current	247
		Subtotal	20,700	20,700		
		COMMANDER NAVAL FORCES MARIANAS				
		<u>FINEGAYAN, GUAM</u>				
	451	KILO WHARF IMPROVEMENTS	12,500	12,500	Current	255
		Subtotal	12,500	12,500		
		Total - GUAM	33,200	33,200		
ITALY		NAVAL AIR STATION				
		<u>SIGONELLA SICILY, ITALY</u>				
	265	ACCESS IMPROVEMENTS	7,430	7,430	Current	267
	640	BASE OPERATIONS SUPPORT II	15,120	15,120	Current	263
		Subtotal	22,550	22,550		
		Total - ITALY	22,550	22,550		
SPAIN						

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Navy

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
		NAVAL STATION				
		<u>ROTA, SPAIN</u>				
	645	CONSOLIDATE COMMAND OPS & SUPPORT FAC	32,700	32,700	Current	273
		Subtotal	32,700	32,700		
		Total - SPAIN	32,700	32,700		
		Total - Outside The United States	126,700	126,700		
		<u>Various Locations</u>				
	205	PLANNING AND DESIGN	87,067	87,067	Current	279
	205	UNSPECIFIED MINOR CONSTRUCTION	12,000	12,000	Current	281
		Total - Various Locations	99,067	99,067		

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Marines

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
<u>Inside the United States</u>						
ARIZONA						
		MARINE CORPS AIR STATION YUMA, ARIZONA				
	440	BACHELOR ENLISTED QUARTERS	18,740	18,740	Current	7
	485	STATION ORDNANCE AREA - PHASE III	7,930	7,930	Current	3
		Subtotal	26,670	26,670		
		Total - ARIZONA	26,670	26,670		
CALIFORNIA						
		MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA				
	032	CONSOLIDATED OPERATIONS CENTER	4,910	4,910	Current	17
	038	WEIGHT HANDLING EQUIPMENT SHOP	6,630	6,630	Current	13
		Subtotal	11,540	11,540		
		MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA				
	014	BACHELOR ENLISTED QUARTERS, HEADQUARTERS (13) AREA	19,975	19,975	Current	33
	613	CLOSE COMBAT BATTLE COURSE	6,940	6,940	Current	23
	002A	TERTIARY SEWAGE TREATMENT PLANT (INCREMENT II)	0	25,690	Current	27
		Subtotal	26,915	52,605		
		Total - CALIFORNIA	38,455	64,145		
NORTH CAROLINA						
		MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA				
	1041	ARMORY, CAMP GEIGER	4,010	4,010	Current	119
	1075	COMBAT TRAINING POOL	2,410	2,410	Current	115
		Subtotal	6,420	6,420		
		MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA				
	630	BACHELOR ENLISTED QUARTERS	20,780	20,780	Current	129
	648	AIRCRAFT MAINTENANCE TRAINING FACILITY	12,090	12,090	Current	125
	617	SIMULATOR ADDITION	2,270	2,270	Current	133
		Subtotal	35,140	35,140		
		Total - NORTH CAROLINA	41,560	41,560		
VIRGINIA						
		MARINE CORPS CAMP ELMORE NORFOLK, VIRGINIA				

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Index of Locations for Marines

State/Country	Proj No.	Location	Authorization Request	Appropriation Request	Mission	Page No.
	820	MARINE FORCE ATLANTIC COMMAND OPERATIONS FACILITY	13,500	13,500	Current	149
		Subtotal	13,500	13,500		
	449	MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA MAINTENANCE HANGAR TYPE I	21,180	21,180	Current	173
		Subtotal	21,180	21,180		
	531	MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA BACHELOR ENLISTED QUARTERS (THE BASIC SCHOOL)	15,090	15,090	Current	185
	667	PAVE HERITAGE CENTER ROADS	950	950	Current	179
	539	ARMORY (THE BASIC SCHOOL)	4,580	4,580	Current	181
		Subtotal	20,620	20,620		
		Total - VIRGINIA	55,300	55,300		
		Total - Inside The United States	161,985	187,675		

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Mission Status Index

Installation/Location	Proj No.	Project Title	Cost (\$000)	Mission Status
<u>Inside the United States</u>				
<u>ARIZONA</u>				
MARINE CORPS AIR STATION YUMA, ARIZONA	440	BACHELOR ENLISTED QUARTERS	18,740	Current
MARINE CORPS AIR STATION YUMA, ARIZONA	485	STATION ORDNANCE AREA - PHASE III	7,930	Current
<u>CALIFORNIA</u>				
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	002A	TERTIARY SEWAGE TREATMENT PLANT (INCREMENT II)	25,690	Current
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	014	BACHELOR ENLISTED QUARTERS, HEADQUARTERS (13) AREA	19,975	Current
MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA	032	CONSOLIDATED OPERATIONS CENTER	4,910	Current
MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA	038	WEIGHT HANDLING EQUIPMENT SHOP	6,630	Current
NAVAL AIR FACILITY EL CENTRO, CALIFORNIA	207	HANGAR RECAPITALIZATION, WEST APRON (INCREMENT I)	33,331	Current
MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	613	CLOSE COMBAT BATTLE COURSE	6,940	Current
<u>CONNECTICUT</u>				
NAVAL SUBMARINE BASE NEW LONDON	462	MK-10 SUBMARINE ESCAPE TRAINER	17,100	Current
GROTON, CONNECTICUT NAVAL SUBMARINE BASE NEW LONDON	463	PIER 6 REPLACEMENT	28,782	Current
<u>DISTRICT OF COLUMBIA</u>				
(ANACOSTIA) U.S. NAVAL OBSERVATORY WASHINGTON, DISTRICT OF COLUMBIA	050	ATOMIC CLOCK FACILITY	3,239	Current
<u>FLORIDA</u>				
NAVAL STATION MAYPORT, FLORIDA	189	AIRFIELD CONTROL TOWER	6,200	Current
EGLIN A F B (NSWC DIV INDIAN HEAD) EGLIN A F B, FLORIDA	450	EGLIN AFB ROAD IMPROVEMENTS	2,060	Current
<u>GEORGIA</u>				

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Mission Status Index

Installation/Location	Proj No.	Project Title	Cost (\$000)	Mission Status
STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA	594	ENCLAVE FENCING AND PARKING	16,000	Current
<u>ILLINOIS</u>				
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS	738	RTC RECRUIT BARRACKS	35,920	Current
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS	739	RTC RECRUIT BARRACKS	38,851	Current
NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS	745A	BATTLE STATIONS (INCREMENT II)	58,200	Current
<u>MARYLAND</u>				
NAVAL SURFACE WARFARE DIV INDIAN HEAD INDIAN HEAD, MARYLAND	161	AGILE CHEMICAL FACILITY	13,900	Current
<u>NEW JERSEY</u>				
ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY	032A	GENERAL PURPOSE BERTHING PIER (INCREMENT II)	49,200	Current
<u>NORTH CAROLINA</u>				
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	1041	ARMORY, CAMP GEIGER	4,010	Current
MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	1075	COMBAT TRAINING POOL	2,410	Current
MARINE CORPS AIR STATION NEW RIVER	617	SIMULATOR ADDITION	2,270	Current
JACKSONVILLE, NORTH CAROLINA MARINE CORPS AIR STATION NEW RIVER	630	BACHELOR ENLISTED QUARTERS	20,780	Current
JACKSONVILLE, NORTH CAROLINA MARINE CORPS AIR STATION NEW RIVER	648	AIRCRAFT MAINTENANCE TRAINING FACILITY	12,090	Current
JACKSONVILLE, NORTH CAROLINA NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA	689A	OUTLYING LANDING FIELD (OLF) FACILITIES (INCR II)	33,900	New
NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA	691	OUTLYING LANDING FIELD (OLF) LAND ACQ (INCR I)	61,750	New
<u>VIRGINIA</u>				
NAVAL STATION		PIER 11 REPLACEMENT (INCREMENT II)		

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Mission Status Index

Installation/Location	Proj No.	Project Title	Cost (\$000)	Mission Status
NORFOLK, VIRGINIA	094A		40,000	Current
MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA	449	MAINTENANCE HANGAR TYPE I	21,180	Current
ATLANTIC ORDNANCE COMMAND YORKTOWN, VIRGINIA	518	ORDNANCE VEHICLE MAINTENANCE SHOP	9,870	Current
MARINE CORPS COMBAT DEVELOPMENT COMMAND	531	BACHELOR ENLISTED QUARTERS (THE BASIC SCHOOL)	15,090	Current
QUANTICO, VIRGINIA MARINE CORPS COMBAT DEVELOPMENT COMMAND	539	ARMORY (THE BASIC SCHOOL)	4,580	Current
QUANTICO, VIRGINIA NAVAL AMPHIBIOUS BASE LITTLE CREEK	541	GATE 5 SECURITY IMPROVEMENTS - CT	2,850	Current
NORFOLK, VIRGINIA NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA	555	POST 2 SECURITY IMPROVEMENTS (CT)	2,770	Current
NAVAL STATION NORFOLK, VIRGINIA	611	GATE 5 SECURITY IMPROVEMENTS (CT)	4,330	Current
MARINE CORPS COMBAT DEVELOPMENT COMMAND	667	PAVE HERITAGE CENTER ROADS	950	Current
QUANTICO, VIRGINIA MARINE CORPS CAMP ELMORE NORFOLK, VIRGINIA	820	MARINE FORCE ATLANTIC COMMAND OPERATIONS FACILITY	13,500	Current
<u>WASHINGTON</u>				
NAVAL STATION BREMERTON BREMERTON, WASHINGTON	305	BACHELOR ENLISTED QTRS HOMEPORT ASHORE (INCR I)	34,125	Current
PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON	346	CVN MAINTENANCE COMPLEX	20,305	Current
STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON	973	LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC)	35,770	Current
<u>WORLDWIDE</u>				
VARIOUS LOCATIONS WORLDWIDE	159	PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FACILITY	80,000	New
VARIOUS LOCATIONS WORLDWIDE	448	PRESIDENTIAL AIRCRAFT MAINT HANGAR (WHITE SIDE)	18,560	Current

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Mission Status Index

Installation/Location	Proj No.	Project Title	Cost (\$000)	Mission Status
<u>Outside the United States</u>				
<u>BAHAMAS</u>				
NAVAL UNDERSEA WARFARE CENTER DET AUTEC ANDROS ISLAND, BAHAMAS	200	BACHELORS QUARTERS	20,750	Current
<u>BR INDIAN OCEAN TERR</u>				
NAVY SUPPORT FACILITY DIEGO GARCIA, NAVAL FAC, BR INDIAN OCEAN TERR	146	SOLID WASTE MANAGEMENT CENTER	17,500	Current
<u>GUAM</u>				
(MARIANA ISLANDS, GUAM) NAVY PUBLIC WORKS CTR AGAT, GUAM	256	FENA WATER TREATMENT PLANT UPGRADE	20,700	Current
COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM	451	KILO WHARF IMPROVEMENTS	12,500	Current
<u>ITALY</u>				
NAVAL AIR STATION SIGONELLA SICILY, ITALY	265	ACCESS IMPROVEMENTS	7,430	Current
NAVAL AIR STATION SIGONELLA SICILY, ITALY	640	BASE OPERATIONS SUPPORT II	15,120	Current
<u>SPAIN</u>				
NAVAL STATION ROTA, SPAIN	645	CONSOLIDATE COMMAND OPS & SUPPORT FAC	32,700	Current
<u>Various Locations</u>				
Various Locations	205	PLANNING AND DESIGN	87,067	Current
Various Locations	205	UNSPECIFIED MINOR CONSTRUCTION	12,000	Current

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Installation Index

Installation	Location	DD1390 PageNo.
<u>B</u>		
NAVAL STATION BREMERTON	BREMERTON, WASHINGTON	205
PUGET SOUND NAVAL SHIPYARD	BREMERTON, WASHINGTON	213
<u>C</u>		
MARINE CORPS BASE	CAMP LEJEUNE, NORTH CAROLINA	115
MARINE CORPS AIR STATION	CAMP PENDLETON, CALIFORNIA	13
MARINE CORPS BASE	CAMP PENDLETON, CALIFORNIA	23
ATLANTIC ORDNANCE COMMAND DET EARLE	COLTS NECK, NEW JERSEY	107
<u>E</u>		
EGLIN A F B (NSWC DIV INDIAN HEAD)	EGLIN A F B, FLORIDA	65
NAVAL AIR FACILITY	EL CENTRO, CALIFORNIA	39
<u>G</u>		
NAVAL TRAINING CENTER	GREAT LAKES, ILLINOIS	83
NAVAL SUBMARINE BASE NEW LONDON	GROTON, CONNECTICUT	47
<u>I</u>		
NAVAL SURFACE WARFARE DIV INDIAN HEAD	INDIAN HEAD, MARYLAND	99
<u>J</u>		
MARINE CORPS AIR STATION NEW RIVER	JACKSONVILLE, NORTH CAROLINA	125
<u>K</u>		
STRATEGIC WEAPONS FACILITY, ATLANTIC	KINGS BAY, GEORGIA	77
<u>M</u>		
NAVAL STATION	MAYPORT, FLORIDA	71
<u>N</u>		
MARINE CORPS CAMP ELMORE	NORFOLK, VIRGINIA	149
NAVAL AMPHIBIOUS BASE LITTLE CREEK	NORFOLK, VIRGINIA	155
NAVAL STATION	NORFOLK, VIRGINIA	161
<u>P</u>		
NOLF WASHINGTON COUNTY NC	PLYMOUTH, NORTH CAROLINA	139
<u>Q</u>		
MARINE CORPS AIR FACILITY	QUANTICO, VIRGINIA	173

DEPARTMENT OF THE NAVY  
 FY 2005 Military Construction and Family Housing Program  
 Installation Index

MARINE CORPS COMBAT DEVELOPMENT COMMAND	QUANTICO, VIRGINIA	179
	<u>S</u>	
STRATEGIC WEAPONS FACILITY PACIFIC	SILVERDALE, WASHINGTON	219
	<u>V</u>	
NAVAL AIR STATION OCEANA	VIRGINIA BEACH, VIRGINIA	191
	<u>W</u>	
(ANACOSTIA) U.S. NAVAL OBSERVATORY	WASHINGTON, DISTRICT OF COLUMBIA	59
VARIOUS LOCATIONS	WORLDWIDE	225
	<u>Y</u>	
ATLANTIC ORDNANCE COMMAND	YORKTOWN, VIRGINIA	197
MARINE CORPS AIR STATION	YUMA, ARIZONA	3

APPROPRIATION  
MILITARY CONSTRUCTION, NAVY

Department of the Navy  
Annual Budget Estimates

FY 2005  
Budget

---

SECTION 1 - APPROPRIATION LANGUAGE

---

For acquisition, construction, installation, and equipment of temporary or permanent public works, naval installations, facilities, and real property for the Navy as currently authorized by law, including personnel in the Naval Facilities Engineering Command and other personal services necessary for the purposes of this appropriation, [\$1,283,988,000] \$1,058,395,000 to remain available until September 30, [2008] 2009. Provided, that of this amount, not to exceed [\$71,001,000] \$87,067,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor.

---

SECTION 2 - EXPLANATION OF LANGUAGE CHANGES

---

1. Deletion of FY 2004 appropriations shown in brackets.

# DEPARTMENT OF THE NAVY MILITARY CONSTRUCTION PROGRAM

## SPECIAL PROGRAM CONSIDERATIONS

### POLLUTION ABATEMENT:

The military construction projects in this program will be designed to meet environmental standards. The Military construction projects proposed are primarily for the abatement of existing pollution problems at Naval and Marine Corps installations and have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

### ENERGY CONSERVATION:

The military construction projects proposed in this program will be designed for minimum energy consumption.

### FLOODPLAIN MANAGEMENT AND WETLANDS PROTECTION:

Proposed land acquisition, disposals, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Numbers 11988 and 11990.

### DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL:

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

### PRESERVATION OF HISTORICAL SITES AND STRUCTURES:

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391.

### PLANNING IN THE NATIONAL CAPITAL REGION:

Projects located in the National Capital Region are submitted to the National Capital Planning Commission for budgetary review and comment as part of the commission's annual review of the Future Years Defense Program (FYDP). Construction projects within the District of Columbia, with the exception of the Bolling/Anacostia area, are submitted to the Commission for approval prior to the start of construction.

### ENVIRONMENTAL PROTECTION:

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (Public Law 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the military construction program.

### ECONOMIC ANALYSIS:

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives could be evaluated, a primary economic analysis was prepared.

DEPARTMENT OF THE NAVY  
MILITARY CONSTRUCTION PROGRAM

SPECIAL PROGRAM CONSIDERATIONS

CONSTRUCTION CRITERIA MANUAL:

Project designs conform to Part II of Military Handbook 1190, "Facility Planning and Design Guide."

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: M62974 MARINE CORPS AIR STATION YUMA, ARIZONA		4. Command Commandant, Marine Corps								
		5. Area Const Cost Index 1.14								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	48	780	655	0	2	0	337	2	714	5529
b. End FY 2008	48	409	384	146	65	0	431	3242	955	5680
<b>7. INVENTORY DATA (\$000)</b>										
a. TOTAL ACREAGE .....( 9,246,873 Acres).....										
b. INVENTORY AS OF 30 Sep 2003 .....										2,247,184
c. AUTHORIZATION NOT YET IN INVENTORY.....										49,060
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....										26,670
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....										3,706
f. PLANNED IN NEXT THREE PROGRAM YEARS .....										18,152
g. REMAINING DEFICIENCY .....										121,939
<b>h. GRAND TOTAL .....</b>										<b>2,466,711</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
42122	STATION ORDNANCE AREA PH 3				7122 m2	7930	08/2002	09/2004		
72124	BACHELOR ENLISTED QUARTERS				6375 m2	18740	08/2002	04/2005		
TOTAL						26670				
9. Future Projects:										
a. Included In The Following Program:										
74043	PHYSICAL FITNESS CTR ADD				0 LS	3706				
TOTAL						3706				
b. Major Planned Next Three Years:										
12110	FIXED WING FUELING APRON				0 LS	4042				
12110	ROTARY WING FUELING APRON				0 LS	3340				
73020	SECURITY OPS FACILITY				6340 SF	10770				
TOTAL						18152				
c. R&M Unfunded Requirement (\$000): 26,710										
10. Mission or Major Functions:										
To maintain and operate facilities and provide services and material to support operations of a Marine Aircraft Wing and other activities and units as designated by the Commandant of the Marine Corps in connection with the Chief of Naval Operations.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M62974 MARINE CORPS AIR STATION YUMA, ARIZONA		4.Project Title STATION ORDNANCE AREA - PHASE III		
5.Program Element 0206496M	6.Category Code 42122	7.Project Number P485	8.Project Cost (\$000) 7,930	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
STATION ORDNANCE AREA - PHASE III (76,661 SF)	m2	7,122		5380
HIGH EXPLOSIVE MAGAZINES (8,987.87 SF)	m2	835	2,428.58	(2030)
(8,988 SF)				
BOMB BUILDUP AREA (37,674 SF)	m2	3,500	141.43	(500)
INERT STORAGE (29,999.02 SF) (29,999 SF)	m2	2,787	911.00	(2540)
TECHNICAL OPERATING MANUALS	LS			(20)
SPECIAL COSTS	LS			(290)
SUPPORTING FACILITIES				1740
ELECTRICAL UTILITIES	LS			(120)
MECHANICAL UTILITIES	LS			(40)
SITE PREPARATIONS	LS			(420)
DEMOLITION	LS			(780)
ANTI-TERRORISM/FORCE PROTECTION	LS			(40)
OUTSIDE COMMUNICATION	LS			(10)
PAVING AND SITE IMPROVEMENT	LS			(330)
SUBTOTAL				7120
CONTINGENCY (5%)				360
TOTAL CONTRACT COST				7480
SIOH (6%)				450
SUBTOTAL				7930
TOTAL REQUEST ROUNDED				7930
TOTAL REQUEST				7930
<b>10.Description of Proposed Construction</b>				
<p>Construct two Stradley (25'x80') and one Box C (52'x97') standard reinforced concrete High Explosive (HE) ordnance magazines, three inert storage (50'x200') magazines, and a bomb build-up area. HE magazines will be earth-covered reinforced concrete structures with explosive-proof fixtures and required ventilation. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Build-up area will be reinforced concrete slab on grade. Electrical utilities include telephone, electrical distribution, grounding system, and fire alarm. Mechanical utilities include fire water trench and distribution piping, ventilation, and storm water management. Supporting facilities include site and building utility connections (telephone, Local Area Network (LAN), electrical, and water). Paving and site improvements include clearing and grubbing, excavation and grading, paving, and soil treatment with pesticides. Project also includes Technical Operating Manuals, Anti-Terrorism/Force Protection features, and demolition of existing road and canal.</p>				
<b>11.Requirement:</b>				
	<u>7122m2</u>	<b>Adequate:</b>	<u>0m2</u>	<b>Substandard:</b>
<b>PROJECT:</b>				<u>0m2</u>

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M62974 MARINE CORPS AIR STATION YUMA, ARIZONA		4.Project Title STATION ORDNANCE AREA - PHASE III		
5.Program Element 0206496M	6.Category Code 42122	7.Project Number P485	8.Project Cost (\$000) 7,930	
<p>This project provides three high explosive and three inert storage ordnance magazines to support aviation ordnance operations. <b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b> This project is required to eliminate Marine Corps Air Station (MCAS) Yuma's current reliance on ordnance storage safety waivers and to provide sufficient ordnance storage to meet minimum training and mission requirements. This project is the third of three phases and completes the ordnance storage requirements at MCAS Yuma, AZ.</p> <p><b>CURRENT SITUATION:</b> The existing HE magazines require a Secretary of the Navy waiver allowing the Explosive Safety Quantity Distances (ESQD) arcs to extend off-Station onto private property. Real estate easements, renewed yearly, are required from property owners and allow only uninhabited structures on the land encumbered by the ESQD arcs. The waiver also limits the storage capacity of the Station's magazines to approximately 590,000 lbs of net explosive weight (NEW). The average yearly ordnance requirement is 2,600,000 lbs NEW to meet mission requirements. The number of required magazines is based on ordnance storage compatability, physical size of ordnance, and capacity of current magazine design. The existing ESQD arcs fall within 100' of existing base housing. ESQD arcs from the existing Combat Aircraft Load Apron and the existing HE magazines limit development along the flightline.</p> <p><b>IMPACT IF NOT PROVIDED:</b> If the existing safety waiver is not renewed, the Station's ordnance storage capacity would be further reduced, resulting in degradation of training mission requirements due to non-availability of on-site ordnance. Limited storage capacity requires more short load truck deliveries and material handling by Station personnel, and presents negative impacts on training missions due to the unavailability of required ordnance. Existing ESQD arcs will continue to limit required hangar and apron development along the flightline.</p>				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				012004
(C) Date Design Completed				092004
(D) Percent Completed as of	SEPTEMBER	2003		2%
(E) Percent Completed as of	JANUARY	2004		35%
(F) Type of Design Contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes



1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M62974 MARINE CORPS AIR STATION YUMA, ARIZONA		4.Project Title BACHELOR ENLISTED QUARTERS		
5.Program Element 0206496M	6.Category Code 72124	7.Project Number P440	8.Project Cost (\$000) 18,740	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BACHELOR ENLISTED QUARTERS (68,620 SF)	m2	6,375		13520
BACHELOR ENLISTED QUARTERS (68,620 SF)	m2	6,375	1,919.90	(12240)
BUILT-IN EQUIPMENT	LS			(180)
TECHNICAL OPERATING MANUALS	LS			(180)
INFORMATION SYSTEMS	LS			(270)
ANTI-TERRORISM/FORCE PROTECTION	LS			(400)
SPECIAL COSTS	LS			(250)
SUPPORTING FACILITIES				2740
SPECIAL CONSTRUCTION FEATURES	LS			(430)
ELECTRICAL UTILITIES	LS			(720)
MECHANICAL UTILITIES	LS			(390)
PAVING AND SITE IMPROVEMENTS	LS			(400)
DEMOLITION	LS			(800)
SUBTOTAL				16260
CONTINGENCY (5%)				810
TOTAL CONTRACT COST				17070
SIOH (6%)				1020
SUBTOTAL				18090
DESIGN/BUILD - DESIGN COST				650
TOTAL REQUEST ROUNDED				18740
TOTAL REQUEST				18740
<b>10.Description of Proposed Construction</b>				
<p>Construct a multi-story reinforced Concrete Masonry Unit (CMU) building with seismic upgrades, service elevator, pile foundation, reinforced concrete slab and floors, and standing seam metal roofing, providing 150 rooms with semi-private bathrooms in the standard 2X0 room configuration. Community, and service core areas consist of laundry facilities, lounges, administrative offices, multi-purpose rooms, housekeeping areas and public restrooms. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Built-in equipment includes one elevator. Electrical systems include fire alarms, energy saving Electronic Monitoring and Control System (EMCS), and information systems. Mechanical systems include plumbing, fire protection systems, heating ventilation and air conditioning. Supporting facilities work includes site and building utility connections (water, natural gas, sanitary and storm sewers, electrical, telephone, Local Area network (LAN), and cable television). Paving and site improvements include paved parking, sidewalks, outdoor recreation facilities/courts, roadways access, bus shelter/turnouts, earthwork, grading and landscaping. Also includes Technical Operating Manuals, Anti-Terrorism/Force Protection features, and demolition of buildings 855, 856, 858, and 862, involving asbestos and lead removal. Special costs include seismic features. Special construction features include pile foundations.</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M62974 MARINE CORPS AIR STATION YUMA, ARIZONA		4.Project Title BACHELOR ENLISTED QUARTERS		
5.Program Element 0206496M	6.Category Code 72124	7.Project Number P440	8.Project Cost (\$000) 18,740	
<p>Rooms: 150 two-person rooms.  Maximum utilization: 300 E1-E3.  Intended Grade Mix: 225 E1-E3, 50 E-4, 25 E-5  Total: 300 persons.</p>				
<b>11.Requirement:</b> <u>2071MS</u> <b>Adequate:</b> <u>1408MS</u> <b>Substandard:</b> <u>248MS</u>				
<b>PROJECT:</b> This project provides 300 living spaces (150 two-person rooms) for bachelor enlisted personnel using the 2X0 standard room design for permanent party enlisted personnel at Marine Corps Air Station (MCAS) Yuma. <b>(Current Mission)</b>				
<b>REQUIREMENT:</b> This project is needed to provide billeting for enlisted personnel at MCAS Yuma. This project also supports the Commandant of the Marine Corps (CMC) goal to replace all inadequate bachelor quarters with the new 2x0 configured barracks that meet modern quality of life standards.				
<b>CURRENT SITUATION:</b> MCAS Yuma lacks safe, sufficient and adequate quarters for all grades of enlisted personnel. The existing buildings are not in compliance with life/safety/fire and seismic/structural requirements, and are classified as inadequate facilities for personnel. The existing facilities are gang-head configured.				
<b>IMPACT IF NOT PROVIDED:</b> If this project is not provided a shortfall of billeting quarters will continue to exist. Personnel will continue to be billeted in inadequate, unsafe buildings and will continue to endure a lower quality of life. The current living conditions are a detriment to morale and to retention efforts.				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of SEPTEMBER 2003				3%
(E) Percent Completed as of JANUARY 2004				3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M62974 MARINE CORPS AIR STATION YUMA, ARIZONA		4.Project Title BACHELOR ENLISTED QUARTERS	
5.Program Element 0206496M	6.Category Code 72124	7.Project Number P440	8.Project Cost (\$000) 18,740
<p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$580</p> <p>(A) Production of Plans and Specifications \$500</p> <p>(B) All other Design Costs \$80</p> <p>(C) Total \$580</p> <p>(D) Contract \$80</p> <p>(E) In-House \$500</p> <p>4. Contract Award 012005</p> <p>5. Construction Start 042005</p> <p>6. Construction Complete 042007</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>C. FY 2003 R&amp;M Conducted (\$000): \$2,164</p> <p>D. FY 2004 R&amp;M Conducted (\$000): \$0</p> <p>E. Future R&amp;M Requirements (\$000): \$478</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Marine Corps requirements.</p> <p>Activity POC: CDR Mark A Terrill Phone No: 928-269-2051</p>			

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA		4. Command Commandant, Marine Corps								
		5. Area Const Cost Index 1.17								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	20	334	38	42	275	0	452	275	56	4492
b. End FY 2008	20	196	41	68	306	0	522	3637	106	4896
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( 411 Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									139,390
c.	AUTHORIZATION NOT YET IN INVENTORY.....									14,020
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									11,540
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									0
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									2,740
g.	REMAINING DEFICIENCY .....									109,950
h.	<b>GRAND TOTAL .....</b>									<b>277,640</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
21820	WEIGHT HANDLING EQUIP SHOP				2029 m2	6630	08/2002	04/2005		
61071	CONSOLIDATED OPS CENTER				1045 m2	4910	08/2002	04/2005		
TOTAL						11540				
9. Future Projects:										
a. Included In The Following Program:										
None										
b. Major Planned Next Three Years:										
11665	TACTICAL VAN PAD EXPANSION				0 LS	2740				
TOTAL						2740				
c. R&M Unfunded Requirement (\$000): 8,510										
10. Mission or Major Functions:										
As a key component of the Commander, Marine Corps Air Bases, West, provides airfield facilities and material to support operations of the Third Marine Aircraft Wing Unit.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA		4.Project Title WEIGHT HANDLING EQUIPMENT SHOP	
5.Program Element 0206496M	6.Category Code 21820	7.Project Number P038	8.Project Cost (\$000) 6,630

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
WEIGHT HANDLING EQUIPMENT SHOP (21,840 SF)	m2	2,029		4620
EQUIPMENT MAINTENANCE SHOP (16,404 SF) (16,404 SF)	m2	1,524	1,960.00	(2990)
ORDNANCE OPERATIONS BLDG (5,436 SF) (5,436 SF)	m2	505	2,025.05	(1020)
BUILT-IN EQUIPMENT	LS			(240)
TECHNICAL OPERATING MANUALS	LS			(60)
INFORMATION SYSTEMS	LS			(110)
ANTI-TERRORISM/FORCE PROTECTION	LS			(200)
SUPPORTING FACILITIES				1130
SPECIAL CONSTRUCTION FEATURES	LS			(370)
ELECTRICAL UTILITIES	LS			(200)
MECHANICAL UTILITIES	LS			(170)
PAVING AND SITE IMPROVEMENTS	LS			(390)
SUBTOTAL				5750
CONTINGENCY (5%)				290
TOTAL CONTRACT COST				6040
SIOH (6%)				360
SUBTOTAL				6400
DESIGN/BUILD - DESIGN COST				230
TOTAL REQUEST ROUNDED				6630
TOTAL REQUEST				6630

**10.Description of Proposed Construction**

Construct a multi-story reinforced Concrete Masonry Unit (CMU) building with seismic upgrades, spread footing foundations, reinforced concrete slab and floors, structural steel framing, steel truss and standing seam metal roof. Project will provide facilities for the maintenance of construction and weight handling equipment and operations of the Explosive Ordnance Disposal (EOD) teams. Construction will include drive-through equipment maintenance bays, a battery charging shop, utility shop, welding shop, administrative and classroom space, tool storage, pollution prevention measures, showers and locker areas. Special construction features include seismic construction, sound attenuation, magazine storage area, vault, and hazardous material storage area. Sustainable design principles will be included into the construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Built-in equipment includes emissions system, sawdust collection system, welding hood, two 6-ton overhead cranes, personnel/freight elevator, compressed air system, public address system, and 25KW generator. Electrical systems include fire alarms, energy saving electronic monitoring and control system (EMCS), and information systems. Mechanical systems include plumbing, fire protection systems, heating ventilation and air conditioning. Supporting facilities work includes site and building utility connections

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA		4.Project Title WEIGHT HANDLING EQUIPMENT SHOP		
5.Program Element 0206496M	6.Category Code 21820	7.Project Number P038	8.Project Cost (\$000) 6,630	
<p>(water, natural gas, sanitary and storm sewers, electrical, telephone, Local Area Network (LAN), and cable television). Paving and site improvements include exterior site and building lighting, paved parking, sidewalks, storm water management, earthwork, grading, landscaping, and automatic irrigation system. Demolition of six existing inadequate CMU buildings (1296, 1361, 2514, 2537, 2538, 25152) including asbestos removal and lead based paint abatement will be funded through the centrally managed demolition program. These six buildings are outside the new construction footprint. Construction will be in Seismic Zone 4. Also includes Technical Operating Manuals, Anti-Terrorism/Force Protection features, and necessary environmental mitigation.</p>				
<p><b>11.Requirement:</b>                    <u>2029m2</u>                    <b>Adequate:</b>                    <u>0m2</u>                    <b>Substandard:</b>                    <u>0m2</u></p> <p><b>PROJECT:</b> This project builds a facility that consolidates Marine Wing Support Squadron (MWSS) engineering equipment maintenance elements with the Range Operations Division and three EOD teams, resulting in an over 50% reduction in square footage of facilities in the inventory. <b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b> Adequate and efficient facilities are required to support consolidation of similar units in a reduced facilities footprint. This project will consolidate MWSS-372 assigned to the Air Station with the base Range Operations Division and Explosive Ordnance Disposal. The facilities that are already assigned to MWSS-372 form the core of facilities that the consolidation effort will build upon. The remaining elements of MWSS-372 to be consolidated include: repair bays for large construction equipment, welding shop and associated storage, utilities shops, battery shop and classroom spaces. Range Operations Division (ROD) is responsible for construction and maintenance of targets on the Marine Corps Base (MCB) live fire ranges. Live fire training is required to qualify combat units for employment in operations. Because live fire destroys the targets, continuous work must be accomplished to replace the targets. This function uses similar tools, equipment and methods as the MWSS, making the consolidation of like functions in a common facility possible. The EOD function has a component within MWSS-372, the Air Station, and the Base, and the function of all three units is to clear the unexploded ordnance from the live fire ranges to ensure they are safe to use; most of this activity occurs around the targets replaced by the Range Operations Division. The near identical functions allow consolidation in a smaller facility.</p> <p><b>CURRENT SITUATION:</b> Currently the functions selected for consolidation are located in World War Two era Quonset huts as well as dilapidated World War II wooden structures dispersed around MCB Camp Pendleton. The aggregate space to be eliminated is twice the area required to</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA		4.Project Title WEIGHT HANDLING EQUIPMENT SHOP	
5.Program Element 0206496M	6.Category Code 21820	7.Project Number P038	8.Project Cost (\$000) 6,630

support the functions in a consolidated environment.

**IMPACT IF NOT PROVIDED:**

Existing inadequate facilities will continue to be used and MCAS Pendleton will continue to live with unacceptable maintenance backlogs and downtime for equipment. Safety, health and environmental concerns will continue to be compromised. Combat readiness will be jeopardized because equipment will not be available for field training. Continued use of the inadequate maintenance and operations facilities may result in damage to or loss of equipment, and would leave the personnel in inadequate, unsafe facilities.

**12.Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	082002
(B) Date Design 35% Complete	092004
(C) Date Design Completed	042005
(D) Percent Completed as of SEPTEMBER 2003	3%
(E) Percent Completed as of JANUARY 2004	3%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design:	No
(B) Where Design Was Most Recently Used:	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :	\$300
(A) Production of Plans and Specifications	\$250
(B) All other Design Costs	\$50
(C) Total	\$300
(D) Contract	\$50
(E) In-House	\$250

4. Contract Award	012005
5. Construction Start	042005
6. Construction Complete	042007

B. Equipment associated with this project which will be provided from other appropriations: None

**JOINT USE CERTIFICATION:**

The Director, Land Use and Military Construction Branch, Installations and Logistics Dept., Headquarters Marine Corps certifies that this project has been considered for

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA		4.Project Title WEIGHT HANDLING EQUIPMENT SHOP	
5.Program Element 0206496M	6.Category Code 21820	7.Project Number P038	8.Project Cost (\$000) 6,630
<p>joint use potential. Unilateral construction is recommended. The reason for this recommendation is: This facility can be used by other components on an as-needed basis; however, the scope of the project is based on Marine Corps requirements.</p> <p>Activity POC: Patt Reed <span style="float: right;">Phone No: 760-725-9800</span></p>			

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA		4.Project Title CONSOLIDATED OPERATIONS CENTER	
5.Program Element 0206496M	6.Category Code 61071	7.Project Number P032	8.Project Cost (\$000) 4,910

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
CONSOLIDATED OPERATIONS CENTER (11,248 SF)	m2	1,045		3600
MAG-39 COMMAND OPERATIONS CENTER (11,248 SF)	m2	1,045	2,644.00	(2760)
BUILT-IN EQUIPMENT	LS			(270)
TECHNICAL OPERATING MANUALS	LS			(30)
INFORMATION SYSTEMS	LS			(40)
ANTI-TERRORISM/FORCE PROTECTION	LS			(110)
SPECIAL COSTS	LS			(390)
SUPPORTING FACILITIES				660
ELECTRICAL UTILITIES	LS			(170)
MECHANICAL UTILITIES	LS			(120)
PAVING AND SITE IMPROVEMENTS	LS			(180)
DEMOLITION	LS			(50)
ANTI-TERRORISM/FORCE PROTECTION	LS			(100)
OUTSIDE COMMUNICATIONS LINE	LS			(40)
SUBTOTAL				4260
CONTINGENCY (5%)				210
TOTAL CONTRACT COST				4470
SIOH (6%)				270
SUBTOTAL				4740
DESIGN/BUILD - DESIGN COST				170
TOTAL REQUEST ROUNDED				4910
TOTAL REQUEST				4910

**10.Description of Proposed Construction**

Construct a multi-story concrete masonry unit (CMU) building with reinforced concrete spread footings on reinforced concrete slab on pile foundation, structural steel frame, and standing seam metal roof to provide a headquarters facility for Marine Air Group 39 (MAG-39). This facility will be designed and constructed to meet the requirements of the Americans with Disabilities Act and will include offices, restrooms, storage spaces, mechanical spaces and a mail room. The interior will be finished with tile, carpet, painted CMU walls, suspended gypsum board and acoustical ceiling tiles. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Built-in equipment includes one elevator and two security vaults. Special costs include sound attenuation, seismic construction, and pile foundation. Electrical systems include fire alarms, energy saving Electronic Monitoring and Control System (EMCS), Intrusion Detection System and information systems. Mechanical systems include plumbing, fire protection systems, and heating ventilation and air conditioning. Supporting facilities work includes site and building utility connections (water, natural gas, sanitary and storm sewers, electrical, telephone, and Local Area Network (LAN)). Paving and site improvements include storm water management, exterior site and

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA		4.Project Title CONSOLIDATED OPERATIONS CENTER		
5.Program Element 0206496M	6.Category Code 61071	7.Project Number P032	8.Project Cost (\$000) 4,910	
building lighting, paved parking, sidewalks, security fencing, earthwork, grading and landscaping. Also includes Technical Operating Manuals, Anti-Terrorism/Force Protection features, demolition of existing utilities features, and environmental mitigation.				
<b>11.Requirement:</b> <u>1045m2</u> <b>Adequate:</b> <u>m2</u> <b>Substandard:</b> <u>m2</u> <b>PROJECT:</b> This project consolidates Marine Air Group 39 Command, Control, Communications, Intelligence and Information functions within the Air Station security perimeter. <b>(Current Mission)</b>  <b>REQUIREMENT:</b> MAG-39 requires a secure, consolidated headquarters facility located within the MCAS security perimeter. MAG-39 provides the Command, Control, Communications, Intelligence and Information (C3I2) architecture for four Helicopter Marine Light Attack (HMLA) active squadrons and three Helicopter Marine Medium (HMM) active squadrons. Under MAG-39 control, these squadrons are routinely involved in humanitarian assistance, forward presence, deterrence, peace keeping, operations short of war, and warfare. These operations require missions such as close air support, anti-armor, reconnaissance, forward air control (airborne naval gunfire control), airborne command post, small unit vertical insertion, light transport, air search and rescue, medical evacuation, medium transport and aerial combat troop transport. The complexity of such operations requires a well organized command element. MAG-39 resources are frequently dispersed to meet specific mission requirements, and resources (fuel, ordnance, etc.) are controlled to ensure distribution to units with the most pressing requirements. These functions require a centrally located, adequately configured facility within the MCAS Camp Pendleton security perimeter.  <b>CURRENT SITUATION:</b> MAG-39 does not have a facility aboard MCAS Camp Pendleton to support its mission requirements. The existing MAG-39 Command Operations Center is located off the Air Station aboard Marine Corps Base Camp Pendleton and is inadequately configured to efficiently support mission requirements. In the event of an emergency or unscheduled, immediate deployment, MAG-39 mission planning, deployment mobilization, and critical communication of classified information is delayed by the existing facility's location outside the MCAS security perimeter. Time delays, no matter how small in mission critical situations, result in less than adequate planning and communications. In these situations, heightened security conditions result in long delays entering the Air Station at times when it is most critical for assigned personnel to report for duty. Delays can become extensive and limit the time available for the C3I2 element to perform its intended military function.  <b>IMPACT IF NOT PROVIDED:</b>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA			4.Project Title CONSOLIDATED OPERATIONS CENTER	
5.Program Element 0206496M	6.Category Code 61071	7.Project Number P032	8.Project Cost (\$000) 4,910	
MAG-39 will continue to operate without the facilities required to meet mission requirements. Delays in responsiveness to subordinate and supported units and a diminished ability to manage unit resources will continue. In the event of emergency or short notice deployment, personnel and equipment will experience costly delays in arriving to their required destinations aboard MCAS Camp Pendleton. Furthermore, MAG-39 C3I2 will remain in inefficient facilities outside the MCAS security perimeter.				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of SEPTEMBER 2003				3%
(E) Percent Completed as of JANUARY 2004				3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$240
(A) Production of Plans and Specifications				\$200
(B) All other Design Costs				\$40
(C) Total				\$240
(D) Contract				\$40
(E) In-House				\$200
4. Contract Award				012005
5. Construction Start				042005
6. Construction Complete				042006
B. Equipment associated with this project which will be provided from other appropriations: None				
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA		4.Project Title CONSOLIDATED OPERATIONS CENTER	
5.Program Element 0206496M	6.Category Code 61071	7.Project Number P032	8.Project Cost (\$000) 4,910
<p>Activity POC: Pat Reed <span style="float: right;">Phone No: 760-763-0020</span></p>			

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	4. Command Commandant, Marine Corps	5. Area Const Cost Index 1.17								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	286	1066	1542	69	5477	0	2012	5477	3908	35975
b. End FY 2008	154	1006	1561	71	4975	0	2682	28821	4161	43431
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( 4,676,868 Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									35,585,868
c.	AUTHORIZATION NOT YET IN INVENTORY.....									138,049
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									52,605
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									70,562
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									307,208
g.	REMAINING DEFICIENCY .....									591,916
h.	<b>GRAND TOTAL .....</b>									<b>36,746,208</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
17940	CLOSE COMBAT BATTLE COURSE				719 m2	6940	08/2002	04/2005		
72124	BACH ENLISTED QTRS, HQS 13				8500 m2	19975	08/2002	04/2005		
83110	TERTIARY SEWAGE TRTMN INC2				418 m2	25690	09/2001	09/2003		
TOTAL						52605				
9. Future Projects:										
a. Included In The Following Program:										
21451	ASSAULT BREACHER VEH FAC				0 LS	8040				
21451	REG MAINT SUPPORT COMPLEX				4725 M2	13180				
72124	BACHELOR ENLISTED QUARTERS				0 LS	19920				
72124	BACHELOR ENLISTED QUARTERS				868 M2	19742				
74044	PHYSICAL FITNESS CTR HORNO				318 M2	9680				
TOTAL						70562				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04																																																																																																																								
3.Installation and Location: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA	4.Command Commandant, Marine Corps	5.Area Const Cost Index 1.17																																																																																																																								
<p>b.Major Planned Next Three Years:</p> <table border="0" style="width: 100%;"> <tr><td>21375</td><td>AAAV MAINTENANCE FACILITY</td><td>1663</td><td>M2</td><td>10647</td></tr> <tr><td>21375</td><td>AVTB/DEL MAR BOAT BASN FAC</td><td>0</td><td>LS</td><td>3177</td></tr> <tr><td>61070</td><td>MARDIV COMMAND HEADQUARTER</td><td>3716</td><td>M2</td><td>5510</td></tr> <tr><td>61072</td><td>ISR CAMP INTEL BATTALION</td><td>0</td><td>LS</td><td>11312</td></tr> <tr><td>72114</td><td>BACHELOR ENLISTED QUARTERS</td><td>4543</td><td>M2</td><td>12740</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0</td><td>LS</td><td>17698</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0</td><td>LS</td><td>18020</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0</td><td>PN</td><td>18130</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0</td><td>LS</td><td>10880</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0</td><td>LS</td><td>22300</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0</td><td>LS</td><td>12545</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0</td><td>LS</td><td>15010</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0</td><td>LS</td><td>16240</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0</td><td>LS</td><td>24310</td></tr> <tr><td>72210</td><td>MESS HALL, DEL MAR</td><td>0</td><td>LS</td><td>15140</td></tr> <tr><td>73010</td><td>FIRE STATION DEL MAR</td><td>5100</td><td>SF</td><td>2227</td></tr> <tr><td>73010</td><td>FIRE STATION, PULGAS</td><td>0</td><td>LS</td><td>2570</td></tr> <tr><td>74044</td><td>PHYSICAL FITNESS CENTER</td><td>10500</td><td>SF</td><td>7360</td></tr> <tr><td>83110</td><td>RECL/CONVEYANCE PHASE 1</td><td>0</td><td>LS</td><td>20547</td></tr> <tr><td>83110</td><td>RECL/CONVEYANCE PHASE 2</td><td>0</td><td>LS</td><td>17115</td></tr> <tr><td>83110</td><td>DEMO STP SOUTH SYS (PH 5)</td><td>0</td><td>LS</td><td>5510</td></tr> <tr><td>83110</td><td>WATER/WW TDS RED FAC(B-PH3</td><td>0</td><td>LS</td><td>30690</td></tr> <tr><td>84151</td><td>5 MILLION GALLON RESERVOIR</td><td>0</td><td>LS</td><td>7530</td></tr> <tr><td></td><td style="text-align: right;">TOTAL</td><td></td><td></td><td style="border-top: 1px solid black;">307208</td></tr> </table> <p>c.R&amp;M Unfunded Requirement (\$000): 257,530</p>			21375	AAAV MAINTENANCE FACILITY	1663	M2	10647	21375	AVTB/DEL MAR BOAT BASN FAC	0	LS	3177	61070	MARDIV COMMAND HEADQUARTER	3716	M2	5510	61072	ISR CAMP INTEL BATTALION	0	LS	11312	72114	BACHELOR ENLISTED QUARTERS	4543	M2	12740	72124	BACHELOR ENLISTED QUARTERS	0	LS	17698	72124	BACHELOR ENLISTED QUARTERS	0	LS	18020	72124	BACHELOR ENLISTED QUARTERS	0	PN	18130	72124	BACHELOR ENLISTED QUARTERS	0	LS	10880	72124	BACHELOR ENLISTED QUARTERS	0	LS	22300	72124	BACHELOR ENLISTED QUARTERS	0	LS	12545	72124	BACHELOR ENLISTED QUARTERS	0	LS	15010	72124	BACHELOR ENLISTED QUARTERS	0	LS	16240	72124	BACHELOR ENLISTED QUARTERS	0	LS	24310	72210	MESS HALL, DEL MAR	0	LS	15140	73010	FIRE STATION DEL MAR	5100	SF	2227	73010	FIRE STATION, PULGAS	0	LS	2570	74044	PHYSICAL FITNESS CENTER	10500	SF	7360	83110	RECL/CONVEYANCE PHASE 1	0	LS	20547	83110	RECL/CONVEYANCE PHASE 2	0	LS	17115	83110	DEMO STP SOUTH SYS (PH 5)	0	LS	5510	83110	WATER/WW TDS RED FAC(B-PH3	0	LS	30690	84151	5 MILLION GALLON RESERVOIR	0	LS	7530		TOTAL			307208
21375	AAAV MAINTENANCE FACILITY	1663	M2	10647																																																																																																																						
21375	AVTB/DEL MAR BOAT BASN FAC	0	LS	3177																																																																																																																						
61070	MARDIV COMMAND HEADQUARTER	3716	M2	5510																																																																																																																						
61072	ISR CAMP INTEL BATTALION	0	LS	11312																																																																																																																						
72114	BACHELOR ENLISTED QUARTERS	4543	M2	12740																																																																																																																						
72124	BACHELOR ENLISTED QUARTERS	0	LS	17698																																																																																																																						
72124	BACHELOR ENLISTED QUARTERS	0	LS	18020																																																																																																																						
72124	BACHELOR ENLISTED QUARTERS	0	PN	18130																																																																																																																						
72124	BACHELOR ENLISTED QUARTERS	0	LS	10880																																																																																																																						
72124	BACHELOR ENLISTED QUARTERS	0	LS	22300																																																																																																																						
72124	BACHELOR ENLISTED QUARTERS	0	LS	12545																																																																																																																						
72124	BACHELOR ENLISTED QUARTERS	0	LS	15010																																																																																																																						
72124	BACHELOR ENLISTED QUARTERS	0	LS	16240																																																																																																																						
72124	BACHELOR ENLISTED QUARTERS	0	LS	24310																																																																																																																						
72210	MESS HALL, DEL MAR	0	LS	15140																																																																																																																						
73010	FIRE STATION DEL MAR	5100	SF	2227																																																																																																																						
73010	FIRE STATION, PULGAS	0	LS	2570																																																																																																																						
74044	PHYSICAL FITNESS CENTER	10500	SF	7360																																																																																																																						
83110	RECL/CONVEYANCE PHASE 1	0	LS	20547																																																																																																																						
83110	RECL/CONVEYANCE PHASE 2	0	LS	17115																																																																																																																						
83110	DEMO STP SOUTH SYS (PH 5)	0	LS	5510																																																																																																																						
83110	WATER/WW TDS RED FAC(B-PH3	0	LS	30690																																																																																																																						
84151	5 MILLION GALLON RESERVOIR	0	LS	7530																																																																																																																						
	TOTAL			307208																																																																																																																						
<p>10. Mission or Major Functions:</p> <p>To provide housing, training facilities, logistical support, and certain administrative support for Fleet Marine Force units and other activities and units designated by the Commandant of the Marine Corps. To conduct specialized schools and other training as directed. To receive and process students in order to conduct field training in basic combat skills.</p>																																																																																																																										
<p>11. Outstanding Pollution and Safety Deficiencies (\$000):</p> <p>a. Pollution Abatement(*): \$ 0</p> <p>b. Occupational Safety and Health (OSH) (#): \$ 0</p>																																																																																																																										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA		4.Project Title CLOSE COMBAT BATTLE COURSE	
5.Program Element 0206496M	6.Category Code 17940	7.Project Number P613	8.Project Cost (\$000) 6,940

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
CLOSE COMBAT BATTLE COURSE (7,739 SF)	m2	719		2120
BATTERY STORAGE/CHARGING (969 SF)	m2	90	1,097.00	(100)
AMMUNITION BREAKDOWN BUILDING (592 SF)	m2	55	1,097.00	(60)
RANGE CONTROL TOWER (258 SF)	m2	24	4,886.00	(120)
URBAN DEFENSE BUILDING (5,920 SF)	m2	550	1,097.00	(600)
BUILT-IN EQUIPMENT	LS			(10)
TECHNICAL OPERATING MANUALS	LS			(20)
SPECIAL COSTS	LS			(1210)
SUPPORTING FACILITIES				3900
SPECIAL CONSTRUCTION FEATURES	LS			(80)
ELECTRICAL UTILITIES	LS			(380)
ENVIRONMENTAL MITIGATION	LS			(980)
OUTSIDE COMMUNICATIONS (TELEPHONE)	LS			(30)
SITE IMPROVEMENTS	LS			(2430)
SUBTOTAL				6020
CONTINGENCY (5%)				300
TOTAL CONTRACT COST				6320
SIOH (6%)				380
SUBTOTAL				6700
DESIGN/BUILD - DESIGN COST				240
TOTAL REQUEST ROUNDED				6940
TOTAL REQUEST				6940

**10.Description of Proposed Construction**

Construct a Close Combat Battle Course to support small arms training requirements. Construction includes an urban defense building, control tower, battery storage and charging facility, and ammunition breakdown building with lightning protection. Built-in equipment includes a public address system. Special costs include 65 battery operated stationary targets, 10 moving infantry targets, a rubble zone training area, hostile fire emplacements, a covered mess, bleacher enclosure, concrete pad for portable toilets, and safety berms including wooden separation wall. Special construction features include a pre-engineered steel California Transportation 25-ton bridge to replace the existing 15-ton bridge. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Electrical systems include underground electrical wiring for moving targets, public address system, and telephone. Site preparation includes reinforced concrete bulkhead with tiebacks, precast crib wall system, drainage ditches, culverts, collection basins, dissipaters, outfall structures, boulder removal, and rip rap protection. Paving and site improvements include paved access roads and parking area, curbs, gutters, sidewalks, storm water management, security fence, night training lights, range limit lights, thermal markers, and signs. Project will be designed to accommodate the future procurement of the Remote Engagement

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA		4.Project Title CLOSE COMBAT BATTLE COURSE		
5.Program Element 0206496M	6.Category Code 17940	7.Project Number P613	8.Project Cost (\$000) 6,940	
Targeting System (RETS). Project also includes technical operating manuals and environmental mitigation.				
<b>11.Requirement:</b> <u>719m2</u> <b>Adequate:</b> <u>0m2</u> <b>Substandard:</b> <u>0m2</u> <b>PROJECT:</b> Construct a Close Combat Battle Course Range. <b>(Current Mission)</b>  <b>REQUIREMENT:</b> A Close Combat Battle Course will fill a requirement for a close combat range aboard Camp Pendleton. Currently, the only dedicated live fire and maneuver battle course ranges aboard the Base are the Military Operations in Urban Training (MOUT) Assault Courses (MACs) located near the MOUT Facility. The dynamic training opportunities offered by a Close Combat Battle Course will enhance the proficiency and combat-readiness of those Marines whose Table of Organization (T/O) weapon is the M-9 pistol and M-16 rifle, the range will also support other small arms training.  The range is required to provide instructional training, and 9-M pistol and M-16 rifle training. The project will provide a state-of-the-art range facility designed to support conditions, tasks, and standards that accommodate training requirements of the Marine Corps. The Close Combat Battle Course will allow for offensive and defensive live fire and movement. The facility will be utilized daily by the Fleet Marine Force (FMF), formal schools, Base, the United States Marine Corps Reserve (USMCR) and other services (approximately 15,000 personnel annually).  <b>CURRENT SITUATION:</b> The only live fire and maneuver ranges in a MOUT environment at Camp Pendleton are the MOUT Assault Courses at Range 131. These facilities allow Marines to assault only one building at a time. The ability to live fire and maneuver through multiple buildings at the same time does not exist at Camp Pendleton.  <b>IMPACT IF NOT PROVIDED:</b> Marine Corps Base Camp Pendleton units will continue to train on the inadequate local ranges, which will erode their live fire proficiency and ultimately affect their readiness to perform effectively in combat.				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of SEPTEMBER 2003				3%

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA		4.Project Title CLOSE COMBAT BATTLE COURSE	
5.Program Element 0206496M	6.Category Code 17940	7.Project Number P613	8.Project Cost (\$000) 6,940
<p>(E) Percent Completed as of JANUARY 2004 3%</p> <p>(F) Type of Design Contract Design Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy study/Life cycle analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$300</p> <p>(A) Production of Plans and Specifications \$250</p> <p>(B) All other Design Costs \$50</p> <p>(C) Total \$300</p> <p>(D) Contract \$50</p> <p>(E) In-House \$250</p> <p>4. Contract Award 012005</p> <p>5. Construction Start 042005</p> <p>6. Construction Complete 082006</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Marine Corps requirements.</p> <p>Activity POC: M. A. Alvarez Phone No: 760.725.6046</p>			

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA		4.Project Title TERTIARY SEWAGE TREATMENT PLANT (INCREMENT II)	
5.Program Element 0202056M	6.Category Code 83110	7.Project Number P002A	8.Project Cost (\$000) Auth 0 Approp 25,690 Auth for Approp 25,690

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
TERTIARY SEWAGE TREATMENT PLANT (INCREMENT II) (4,499 SF)	m2	418		40200
OPERATIONS/MAINTENANCE BLDG (4,499 SF) (4,499 SF)	m2	418	1,711.23	(720)
ADVANCED WASTEWATER TREATMENT FACILITIES	LS			(4620)
BUILT-IN EQUIPMENT	LS			(2700)
CHEMICAL STORAGE AND HANDLING	LS			(580)
DISINFECTION	LS			(2330)
INFLUENT PUMP STATION	LS			(4490)
ODOR CONTROL	LS			(470)
PLANT ELECTRICAL CONTROL SYSTEM	LS			(4570)
PLANT WATER SYSTEM	LS			(510)
POTABLE WATER SYSTEM	LS			(170)
PRELIMINARY TREATMENT	LS			(1620)
RELOCATE RECYCLING FACILITY	LS			(310)
SECONDARY BIO-TREATMENT W/NUTRIENT	LS			(7820)
REMOVAL				
SLUDGE HANDLING AND DISPOSAL	LS			(8630)
TECHNICAL OPERATING MANUALS	LS			(630)
INFORMATION SYSTEMS	LS			(30)
SUPPORTING FACILITIES				5300
ELECTRICAL UTILITIES	LS			(1190)
MECHANICAL UTILITIES	LS			(590)
PAVING AND SITE IMPROVEMENTS	LS			(2490)
DEMOLITION	LS			(280)
ENVIRONMENTAL MITIGATION	LS			(750)
SUBTOTAL				45500
CONTINGENCY (5%)				2280
TOTAL CONTRACT COST				47780
SIOH (6%)				2870
SUBTOTAL				50650
LESS INCREMENT I FUNDING	LS			-24960
TOTAL REQUEST ROUNDED				25690
TOTAL REQUEST				25690

**10.Description of Proposed Construction**

Construct a 5 million gallon per day (mgd) southern regional, tertiary sewage treatment plant (STP) and sludge treatment facility near the location of existing STP 13 to treat raw sewage from the STP 13 tributary area. Construction shall include an influent pump station, preliminary treatment facilities (flow measurement/sampling, screening, and grit removal), secondary treatment facilities (three biological nutrient removal

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA		4.Project Title TERTIARY SEWAGE TREATMENT PLANT (INCREMENT II)	
5.Program Element 0202056M	6.Category Code 83110	7.Project Number P002A	8.Project Cost (\$000) Auth 0 Approp 25,690 Auth for Approp 25,690

channels, two conventional clarifiers, return activated sludge [RAS] pumping and waste activated sludge [WAS] pumping), advanced sewage treatment facilities (secondary effluent equalization basin, filter influent pump station, rapid mix tank, flocculation system, filtration system, and disinfection system), chemical storage and feed systems, odor control facilities, a control room, and Electronic Monitoring System (EMS) connection. Construction also includes sludge treatment and handling facilities (two dissolved air flotation units, two anaerobic digesters and multiple sludge drying beds). Built-in equipment includes plant yard piping. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Electrical systems include telephone, fire alarms, information systems, electronic monitoring and control system (EMCS), and back-up generator and control system. Mechanical utilities include plumbing, wet-pipe sprinkler system, heating, ventilation and air conditioning (HVAC). Supporting facilities include site and building utility connections (electrical, telephone, water, sanitary and storm sewer, and Local Area Network (LAN)). Paving and site improvements include exterior site and building lighting, facility access roads and parking, site preparation and paving, storm water management, fencing, pedestrian gates, vehicle gates, grading, earthwork, and landscaping. Project includes demolition of an existing recycling center (650 m<sup>2</sup>), Technical Operating Manuals, and environmental mitigation. This is the first component project of a phased program that will, when complete, achieve long-term regulatory compliance for the MCB Camp Pendleton wastewater systems.

**11.Requirement:**                    418m<sup>2</sup>                    **Adequate:**                    0m<sup>2</sup>                    **Substandard:**                    0m<sup>2</sup>

**PROJECT:**

Construct a 5.0 mgd southern regional tertiary sewage treatment plant (STP) and sludge facility at the location of existing STP 13 to treat raw sewage from the STP13 tributary area.

**(Current Mission)**

**REQUIREMENT:**

An adequate southern regional treatment plant and sludge treatment facility is required to provide adequate treatment and plant capacity to handle raw sewage from STP 1, 2, 3, 8, 9, and 13 tributary areas and to accommodate projected future increases in influent quantities. The live-stream discharge of effluent must comply with the San Diego Regional Water Quality Control Board (RWQCB) Basin Plan. This project and Increment II in FY2005 is the first phase of a program to bring the wastewater system into long-term compliance with the regulatory requirements.

**CURRENT SITUATION:**

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA		4.Project Title TERTIARY SEWAGE TREATMENT PLANT (INCREMENT II)		
5.Program Element 0202056M	6.Category Code 83110	7.Project Number P002A	8.Project Cost (\$000) Auth 0 Approp 25,690 Auth for Approp 25,690	
<p>MCB Camp Pendleton is in violation of existing wastewater quality standards for the discharge of treated sewage to the Santa Margarita River and is under Cease and Desist orders (CDO's) for five STP's for failure to meet effluent requirements. MCB Camp Pendleton has a compliance date of 8 September 2004 and must provide a sewage treatment system that meets the water quality objectives and effluent limitations established by the RWQCB.</p> <p>MCB Camp Pendleton currently relies on nine STPs, 67 pump stations and vehicle wash water stations, and over 150 miles of sewage collection pipelines to collect, pump and treat raw sewage and vehicle wash water from all developed areas of the base. The treated sewage discharged from each STP is required to meet effluent discharge limitations established by the San Diego RWQCB.</p> <p>Original permits for STP 1, 2, 3, 8, 9 and 13 were issued by the RWQCB in 1987. In January 1989, the RWQCB issued CDOs for the six plants for failure to meet effluent quality requirements. In 1994, new CDOs were issued to update the compliance schedules and allow MCB Camp Pendleton additional time to study and implement corrective actions. MCB Camp Pendleton developed a strategy to comply with the CDO requirements that, in general, involved relocating and/or consolidating treated effluent discharge points to more favorable locations. The established requirements for STPs 1, 2, 3, 8 and 13 based on disposal of treated effluent to the Santa Margarita River. Requirements for STP 9 were based on relocating the respective discharge point west of Interstate 5 (I5) to subsurface injection wells.</p> <p>MCB Camp Pendleton was unsuccessful in finding a suitable site in the Santa Margarita River Basin for percolation or injection disposal of effluent from STPs 1, 2, 3, 8, and 13. An attempt to reach an agreement with the City of Oceanside to permanently pipe treated effluent from the plants to the ocean outfall was also unsuccessful.</p> <p>MCB Camp Pendleton currently has a short-term agreement with the City of Oceanside to dispose of treated secondary effluent via the City's existing ocean outfall. To reach the outfall, MCB Camp Pendleton must install a 2.2-mile pipeline from the Base through the City. The pipeline is presently under construction. The agreement is intended to allow MCB Camp Pendleton to meet State of California discharge requirements while constructing MILCON funded on-Base treatment and disposal facilities. The agreement stipulates that use of the outfall is for a five-year period commencing on the date the Base begins pumping effluent into the Outfall. The Base may exercise up to three additional option years only if it can certify to the City Council that it has secured</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA		4.Project Title TERTIARY SEWAGE TREATMENT PLANT (INCREMENT II)	
5.Program Element 0202056M	6.Category Code 83110	7.Project Number P002A	8.Project Cost (\$000) Auth 0 Approp 25,690 Auth for Approp 25,690

full project funding for the alternate disposal facilities.

The proposed program to comply with CDO 99-41 and the Basin Plan requirements has been subdivided into multiple phases over five years with each phase representing a complete and progressive step toward overall compliance.

**IMPACT IF NOT PROVIDED:**

Camp Pendleton (CPEN) is required to comply with California's implementation of the Clean Water Act's National Pollution Discharge Elimination System (NPDES) permit program. CPEN's wastewater treatment plants within this project's scope operate under state issued Waste Discharge Requirements (i.e., NPDES permits). Because these plants cannot achieve or maintain compliance with their Waste Discharge Requirements, they also operate pursuant to enforcement orders (i.e., Cease and Desist Orders) issued by the state. The terms and conditions of these enforcement orders, in part, require CPEN to notify the regional water board of its long-term compliance project's completion (and full compliance with NPDES permits) by 8 September 2004. Should CPEN fail to meet this mandatory compliance date, CPEN is subject to additional civil enforcement for its ongoing environmental noncompliance. This enforcement may include a judicial sanction (e.g., a monetary penalty) to ensure future compliance.

The construction of the southern regional treatment facility is the primary element that is necessary for ensuring compliance with RWQCB Basin Plan requirements and resolving the existing CDOs. Continued discharge from the existing STPs in violation of the NPDES permit requirements will result in continued NOV's, potential adverse impacts to the environment (to include disruption of threatened and endangered species habitat) and civil litigation. Other impacts (e.g., beach closures, impairment of Base mission) are possible.

**12. Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	092001
(B) Date Design 35% Complete	012003
(C) Date Design Completed	092003
(D) Percent Completed as of SEPTEMBER 2003	100%
(E) Percent Completed as of JANUARY 2004	100%
(F) Type of Design Contract	Design Bid Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA		4.Project Title TERTIARY SEWAGE TREATMENT PLANT (INCREMENT II)	
5.Program Element 0202056M	6.Category Code 83110	7.Project Number P002A	8.Project Cost (\$000) Auth 0 Approp 25,690 Auth for Approp 25,690

2. Basis:

(A) Standard or Definitive Design: No

(B) Where Design Was Most Recently Used: N/A

3. Total Cost (C) = (A) + (B) = (D) + (E) : \$3,691

(A) Production of Plans and Specifications \$2,768

(B) All other Design Costs \$923

(C) Total \$3,691

(D) Contract \$2,307

(E) In-House \$1,384

4. Contract Award 112003

5. Construction Start 122003

6. Construction Complete 122005

B. Equipment associated with this project which will be provided from other appropriations: None

JOINT USE CERTIFICATION:

The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended.

Activity POC: KARLA KRIEGER

Phone No: (760) 763-0135

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA		4.Project Title BACHELOR ENLISTED QUARTERS, HEADQUARTERS (13) AREA		
5.Program Element 0206496M	6.Category Code 72124	7.Project Number P014	8.Project Cost (\$000) 19,975	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BACHELOR ENLISTED QUARTERS, HEADQUARTERS (13) AREA (91,493 SF)	m2	8,500		16280
BEQ (91,493 SF)	m2	8,500	1,848.63	(15710)
BUILT-IN EQUIPMENT	LS			(100)
TECHNICAL OPERATING MANUALS	LS			(90)
INFORMATION SYSTEMS	LS			(120)
ANTI-TERRORISM/FORCE PROTECTION	LS			(260)
SUPPORTING FACILITIES				1040
ELECTRICAL UTILITIES	LS			(160)
MECHANICAL UTILITIES	LS			(120)
PAVING AND SITE IMPROVEMENTS	LS			(370)
DEMOLITION	LS			(220)
ENVIRONMENTAL MITIGATION	LS			(130)
ANTI-TERRORISM/FORCE PROTECTION	LS			(40)
SUBTOTAL				17320
CONTINGENCY (5%)				870
TOTAL CONTRACT COST				18190
SIOH (6%)				1090
SUBTOTAL				19280
DESIGN/BUILD - DESIGN COST				690
TOTAL REQUEST ROUNDED				19970
TOTAL REQUEST				19975
<b>10.Description of Proposed Construction</b>				
<p>Construct a multi-story reinforced concrete masonry unit (CMU) building with concrete foundation, CMU interior walls, concrete floors and standing seam metal roof over structural steel framing. Building provides 200 rooms (400 manspaces) in the standard 2X0 room configuration with semi-private bathrooms and walk-in closets. Built-in equipment includes service elevators. Community and service core areas consist of laundry facilities, lounges, administrative offices, housekeeping areas and public restrooms. Sustainable design principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Electrical systems include fire alarms, energy saving Electronic Monitoring and Control System (EMCS), and information systems. Mechanical systems include plumbing, fire protection systems, and heating, ventilation and air conditioning (HVAC). Supporting facilities work includes site and building utility connections (water, sanitary and storm sewers, electrical, telephone, Local Area Network (LAN), and cable television). Paving and site improvements include paved parking, sidewalks, roadway access and landscaping. Also includes Technical Operating Manuals, Anti-Terrorism/Force Protection features, demolition of existing building 13111 including lead paint and asbestos abatement, and environmental mitigation.</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04																
3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA		4.Project Title BACHELOR ENLISTED QUARTERS, HEADQUARTERS (13) AREA																		
5.Program Element 0206496M	6.Category Code 72124	7.Project Number P014	8.Project Cost (\$000) 19,975																	
<p>Rooms: 200 two person rooms.  Maximum utilization: 400 E1-E3.  Intended Grade Mix: 164 E1-E3, 75 E-4, 43 E-5.  Total: 282 persons.</p>																				
<b>11.Requirement:</b> <u>4482MS</u> <b>Adequate:</b> <u>2510MS</u> <b>Substandard:</b> <u>172MS</u> <b>PROJECT:</b> Provides 400 living spaces for bachelor enlisted personnel in the Headquarters area of Marine Corps Base (MCB)Camp Pendleton. <b>(Current Mission)</b> <b>REQUIREMENT:</b> This project is required to provide billeting which meets quality of life standards for permanent party enlisted personnel. This project also supports the Commandant of the Marine Corps goal to replace all inadequate bachelor quarters with the new 2X0 configured barracks. <b>CURRENT SITUATION:</b> Adequate billeting in the Headquarters Area is assigned at maximum capacity and Permanent Party personnel are crowded into existing billeting assets without adherence to the minimum standards of adequacy. Because the applicable Basic Allowance for Housing (BAH) rates are insufficient to cover the cost of housing in the local community, these personnel incur substantial out of pocket expenses in order to meet daily housing needs. <b>IMPACT IF NOT PROVIDED:</b> Deferral of this project will result in the continued use of inadequate facilities to house enlisted Marines. This will seriously affect the morale of the enlisted Marines and make it more difficult for the Marine Corps to motivate and retain these specially selected, highly skilled, and experienced personnel.																				
<b>12.Supplemental Data:</b> A. Estimated Design 1. Status: <table style="width: 100%; border: none;"> <tr> <td>(A) Date Design Start</td> <td style="text-align: right;">082002</td> </tr> <tr> <td>(B) Date Design 35% Complete</td> <td style="text-align: right;">092004</td> </tr> <tr> <td>(C) Date Design Completed</td> <td style="text-align: right;">042005</td> </tr> <tr> <td>(D) Percent Completed as of SEPTEMBER 2003</td> <td style="text-align: right;">3%</td> </tr> <tr> <td>(E) Percent Completed as of JANUARY 2004</td> <td style="text-align: right;">3%</td> </tr> <tr> <td>(F) Type of Design Contract</td> <td style="text-align: right;">Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td style="text-align: right;">Yes</td> </tr> <tr> <td>(H) Energy study/Life cycle analysis performed</td> <td style="text-align: right;">Yes</td> </tr> </table>					(A) Date Design Start	082002	(B) Date Design 35% Complete	092004	(C) Date Design Completed	042005	(D) Percent Completed as of SEPTEMBER 2003	3%	(E) Percent Completed as of JANUARY 2004	3%	(F) Type of Design Contract	Design Build	(G) Parametric Estimate used to develop cost	Yes	(H) Energy study/Life cycle analysis performed	Yes
(A) Date Design Start	082002																			
(B) Date Design 35% Complete	092004																			
(C) Date Design Completed	042005																			
(D) Percent Completed as of SEPTEMBER 2003	3%																			
(E) Percent Completed as of JANUARY 2004	3%																			
(F) Type of Design Contract	Design Build																			
(G) Parametric Estimate used to develop cost	Yes																			
(H) Energy study/Life cycle analysis performed	Yes																			

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M00681 MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA		4.Project Title BACHELOR ENLISTED QUARTERS, HEADQUARTERS (13) AREA		
5.Program Element 0206496M	6.Category Code 72124	7.Project Number P014	8.Project Cost (\$000) 19,975	
<p>2. Basis:</p> <p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$580</p> <p>(A) Production of Plans and Specifications \$500</p> <p>(B) All other Design Costs \$80</p> <p>(C) Total \$580</p> <p>(D) Contract \$80</p> <p>(E) In-House \$500</p> <p>4. Contract Award 012005</p> <p>5. Construction Start 042005</p> <p>6. Construction Complete 042007</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>C. FY 2003 R&amp;M Conducted (\$000): \$25,649</p> <p>D. FY 2004 R&amp;M Conducted (\$000): \$28,970</p> <p>E. Future R&amp;M Requirements (\$000): \$129,280</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Marine Corps requirements.</p> <p>Activity POC: Lt Kent Hedges Phone No: DSN 365-6026</p>				

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: N60042 NAVAL AIR FACILITY EL CENTRO, CALIFORNIA		4. Command Commander, Navy Region Southwest								
		5. Area Const Cost Index 1.39								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	21	297	107	0	0	0	167	0	0	979
b. End FY 2008	25	335	107	0	0	0	167	387	0	1021
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( 437,795 Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									676,434
c.	AUTHORIZATION NOT YET IN INVENTORY.....									11,000
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									33,331
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									54,390
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									20,340
g.	REMAINING DEFICIENCY .....									203,144
h.	<b>GRAND TOTAL .....</b>									<b>998,639</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
21105	HANGAR RECAP WEST APRON I				32244 m2	33331	08/2002	04/2005		
	TOTAL					33331				
9. Future Projects:										
a. Included In The Following Program:										
21105	HANGAR RECAP SOUTH APRON				36230 M2	33390				
21105	HANGAR RECAP WEST APRON II				32244 M2	21000				
	TOTAL					54390				
b. Major Planned Next Three Years:										
11656	ORDNANCE LOAD PADS PH III				33300 M2	12500				
14125	COMB AIR OPS/FIRE RESCUE				2959 M2	7840				
	TOTAL					20340				
c. R&M Unfunded Requirement (\$000):					260,000					
10. Mission or Major Functions:										
Maintain and operate facilities and provide services and material to support operations of aviation activities of the Pacific Fleet. Divert field for San Diego area Naval Air Stations. Training and deployment site for fighter, attack, early warning Navy and Marine fleet and reserve squadrons.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N60042 NAVAL AIR FACILITY EL CENTRO, CALIFORNIA		4.Project Title HANGAR RECAPITALIZATION, WEST APRON (INCREMENT I)	
5.Program Element 0703676N	6.Category Code 21105	7.Project Number P207	8.Project Cost (\$000) Auth 54,331 Approp 33,331 Auth for Approp 33,331

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
HANGAR RECAPITALIZATION, WEST APRON (INCREMENT I) (347,072 SF)	m2	32,244		37940
MAINTENANCE HANGAR - TYPE 1 (134,979 SF)	m2	12,540	1,913.23	(23990)
PARKING APRON (212,092 SF)	m2	19,704	183.63	(3620)
BUILT-IN EQUIPMENT	LS			(2820)
TECHNICAL OPERATING MANUALS	LS			(280)
INFORMATION SYSTEMS	LS			(790)
ANTI-TERRORISM/FORCE PROTECTION	LS			(250)
SPECIAL COSTS	LS			(6190)
SUPPORTING FACILITIES				9180
SPECIAL CONSTRUCTION FEATURES	LS			(1890)
ELECTRICAL UTILITIES	LS			(570)
MECHANICAL UTILITIES	LS			(2780)
PAVING AND SITE IMPROVEMENTS	LS			(1460)
DEMOLITION	LS			(1810)
TEMPORARY ENVIRONMENTAL CONTROL	LS			(670)
SUBTOTAL				47120
CONTINGENCY (5%)				2360
TOTAL CONTRACT COST				49480
SIOH (6%)				2970
SUBTOTAL				52450
DESIGN/BUILD - DESIGN COST				1880
LESS INC II FUNDING	LS			-21000
TOTAL REQUEST ROUNDED				33330
TOTAL REQUEST				33331

**10.Description of Proposed Construction**

Construct four Type I modular hangars to contain maintenance hangar (OH) space, crew (01) space, and administrative (02) space. Proposed construction to consist of combination corrugated metal and concrete masonry unit exterior, concrete floor/stone pile foundation, mezzanine-high bay, steel frame, structural standing seam metal roof over steel web truss with insulation. The facilities will include an overhead bridge crane, jib cranes, roof vents and ladders, power operated doors, continuous trench drain, power operated draft curtain between OH areas, roll-up doors between OH and 01/02 areas, electrical, water and waste water distribution systems, heating, ventilation and air conditioning (HVAC), plumbing, telephone, fire alarm, and wet sprinkler fire protection system. Work also includes concrete parking aprons, utilities connections, fire protection water storage vault, oil and water separator tanks, repair/replace existing deteriorated sanitary sewer lines including manholes and two new lift stations, repair/upgrade of storm drainage system, demolition of Hangars 2-5 (Buildings 112, 127,

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N60042 NAVAL AIR FACILITY EL CENTRO, CALIFORNIA		4.Project Title HANGAR RECAPITALIZATION, WEST APRON (INCREMENT I)		
5.Program Element 0703676N	6.Category Code 21105	7.Project Number P207	8.Project Cost (\$000) Auth 54,331 Approp 33,331 Auth for Approp 33,331	
<p>218, and 225), demolition and relocation of displaced functions of the 1942 vintage buildings, 115, 128, 132, 213, 219, 222, 226, 229 and 240, and temporary environmental controls. The total area of the hangars and buildings to be demolished is 9,843 M2 (105,949 SF).</p> <p>Built-in equipment will consist of an aqueous film forming foam (AFFF) fire protection system for the OH space. Special costs include the costs associated with relocating functions out of buildings to be demolished as follows:</p> <p>Functions for Buildings 128 and 132 (which are currently support spaces for Strike Fighter Wing Pacific Maintenance Unit) will be incorporated into one of the new hangars. Thrift shop in Building 115 will be moved off of the airfield to a renovated facility. Functions in Buildings 213 and 226 (which have been taken over as storage) will be moved to new pre-engineered building (PEB) and renovated facilities. Ground Support Equipment (GSE) and Ground Electronics (Buildings 219 and 222) will be relocated to a new facility on the southern edge of the west apron. Blue Angel support functions in Buildings 226 and 229 will be moved to renovated facilities on the south apron.</p> <p>Special construction features include a stone pile foundation, soil mitigation, and engineered fill that will be required for the site. Temporary environmental controls involve a storm water pollution prevention plan and associated measures to comply with California environmental law.</p> <p>Anti-Terrorism/Force Protection has been addressed in accordance with Department of Defense minimum anti-terrorism standards for buildings. The project also includes technical operating manuals and seismic design features.</p>				
<p><b>11.Requirement:</b>                    <u>32244m2</u>                    <b>Adequate:</b>                    <u>0m2</u>                    <b>Substandard:</b>                    <u>0m2</u></p> <p><b>PROJECT:</b> This project will construct four Type I modular hangars and additional parking apron spaces. <b>(Current Mission)</b></p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N60042 NAVAL AIR FACILITY EL CENTRO, CALIFORNIA		4.Project Title HANGAR RECAPITALIZATION, WEST APRON (INCREMENT I)	
5.Program Element 0703676N	6.Category Code 21105	7.Project Number P207	8.Project Cost (\$000) Auth 54,331 Approp 33,331 Auth for Approp 33,331

**REQUIREMENT:**

Adequate operations facilities are required to house and maintain transient squadron aircraft at Naval Air Facility (NAF) El Centro. The mission of NAF El Centro is to provide support to Navy training and Fleet squadrons, plus Marine Corps, Army, Air Force and foreign detachments. Training includes Air Combat, Low Level Navigation, and Field Carrier Landing Practice (FCLP). NAF El Centro has the unique ability to provide a training area with few encroachment issues, at a low cost per flight, due to the proximity of several ranges. The base has an average loading of seven transient squadrons that use hangars for maintenance, administration, training, and other operations. Generally, one hangar is needed per squadron. The mission of NAF El Centro cannot be effectively accomplished without adequate hangars and aprons.

**CURRENT SITUATION:**

A total of nine aircraft hangars currently exist at NAF El Centro. Seven are available for tenant and transient use, and one is used as a combined fire and rescue station. The usable hangars are buildings 137, 127, 112, 218, 225, 524, 502, 503 and 505. With the exception of Hangar 6 (Building 524), the hangars are old World War II vintage structures that have long since exceeded their useful life. They have been determined to be seismically unsafe and could sustain serious damage in a strong earthquake. The fire protection systems do not meet current life and safety codes.

The current hangars were designed for propeller aircraft of the 1940's and are not large enough to accommodate today's jet aircraft, which do not fit completely into the hangars. Therefore, crews must perform most required maintenance outside of the hangars on the apron, where temperatures in the summer often exceed 130 degrees F; temperatures on the tarmac as high as 198 degrees F have been recorded. When maintenance is performed in the hangars, hangar doors can rarely be closed due to placement of the aircraft, with tail sections sticking out or inoperability of the doors due to age and seismic activity. These cramped quarters and extreme conditions lower worker efficiency and morale.

Presently, the siting of the hangars and support facilities on the flightline hinders efficient operations. For example, squadrons using Hangars 4 and 5 must go to facilities nearly one mile away to find adequate pilot briefing spaces.

This project will correct the poor structural condition, outdated design and siting of four existing aircraft hangars. The proposed aprons will augment the existing apron areas. The project site is in accordance with the NAF El Centro Master Plan.

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N60042 NAVAL AIR FACILITY EL CENTRO, CALIFORNIA		4.Project Title HANGAR RECAPITALIZATION, WEST APRON (INCREMENT I)	
5.Program Element 0703676N	6.Category Code 21105	7.Project Number P207	8.Project Cost (\$000) Auth 54,331 Approp 33,331 Auth for Approp 33,331
<p>Operating 13 WWII-vintage buildings results in high sustainment and utility costs. Consolidating functions into five modern facilities will reduce these costs.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Existing facilities will continue to be used in a limited capacity. Maintenance personnel will continue to work in extreme conditions on the apron or in confined spaces that do not meet seismic or fire codes. The restrictive spaces will impair the overall training capability and effectiveness of NAF El Centro to meet mission requirements. Navy, Marine Corps, Air Force, Army, and foreign detachments will be forced to find adequate facilities at other activities that are already overcrowded and have encroachment issues.</p>			
<b>12. Supplemental Data:</b>			
A. Estimated Design			
1. Status:			
(A) Date Design Start			082002
(B) Date Design 35% Complete			092004
(C) Date Design Completed			042005
(D) Percent Completed as of SEPTEMBER 2003			3%
(E) Percent Completed as of JANUARY 2004			3%
(F) Type of Design Contract			Design Build
(G) Parametric Estimate used to develop cost			Yes
(H) Energy study/Life cycle analysis performed			Yes
2. Basis:			
(A) Standard or Definitive Design:			No
(B) Where Design Was Most Recently Used:			N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :			\$580
(A) Production of Plans and Specifications			\$500
(B) All other Design Costs			\$80
(C) Total			\$580
(D) Contract			\$80
(E) In-House			\$500
4. Contract Award			012005
5. Construction Start			042005
6. Construction Complete			042007
B. Equipment associated with this project which will be provided from other appropriations: None			



1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04
----------------------	--	---------------------

3. Installation and Location: N00129 NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT	4. Command Commander, Navy Region Northeast	5. Area Const Cost Index 1.14
--	---	-------------------------------------

6. Personnel										
	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	695	4683	1023	0	913	0	0	913	0	7671
b. End FY 2008	682	4755	1023	0	913	0	0	357	0	7730

<b>7. INVENTORY DATA (\$000)</b>	
a. TOTAL ACREAGE .....( 10,924 Acres).....	
b. INVENTORY AS OF 30 Sep 2003 .....	3,434,292
c. AUTHORIZATION NOT YET IN INVENTORY.....	11,509
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....	45,882
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....	0
f. PLANNED IN NEXT THREE PROGRAM YEARS .....	141,990
g. REMAINING DEFICIENCY .....	142,996
<b>h. GRAND TOTAL .....</b>	<b>3,776,669</b>

8. Projects Requested In This Program					
<u>Category</u>			<u>Cost</u>	<u>Design Status</u>	
<u>Code</u>	<u>Project Title</u>	<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>
15120	PIER 6 REPLACEMENT	3020 m2	28782	08/2002	09/2004
17135	MK-10 SUB MARINE ESCAPE TRAINER	2100 m2	17100	08/2002	04/2005
TOTAL			45882		

9. Future Projects:					
a. Included In The Following Program:					
None					
b. Major Planned Next Three Years:					
15120	PIER 31 REPLACEMENT	3020 M2	25000		
15120	PIER 2 REPLACEMENT	3020 M2	30800		
72111	BEQ INC II	47426 SF	30000		
72114	BEQ REPLACEMENT	1740 M2	53270		
87210	GATES 3&5 SECURITY IMPROVS	0 LS	2920		
TOTAL			141990		
c. R&M Unfunded Requirement (\$000):		94,173			

10. Mission or Major Functions:

Serves as homeport for operational attack submarines of the Atlantic Fleet, providing refit, maintenance, replenishment, training, and ordnance support. Serves as host to other commands located on the base. Provides training and other support of Fleet Ballistic Missile submarine off-crews. Supports the following activities: Submarine Support Facility, Submarine Squadron Two, Submarine Medical Center (Hospital), Naval Undersea Medical Institute, Submarine School, Submarine Development Squadron 12, and Submarine Medical Research Laboratory.

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04
3.Installation and Location: N00129 NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT	4.Command Commander, Navy Region Northeast	5.Area Const Cost Index 1.14
11. Outstanding Pollution and Safety Deficiencies (\$000): a. Pollution Abatement(*): \$ 0 b. Occupational Safety and Health (OSH) (#): \$ 0		

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N00129 NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT		4.Project Title PIER 6 REPLACEMENT	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P463	8.Project Cost (\$000) 28,782

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
PIER 6 REPLACEMENT (32,507 SF)	m2	3,020		7490
PIER 6 REPLACEMENT (32,507 SF)	m2	3,020	2,463.38	(7440)
TECHNICAL OPERATING MANUALS	LS			(50)
SUPPORTING FACILITIES				18370
SPECIAL CONSTRUCTION FEATURES	LS			(1040)
ELECTRICAL UTILITIES	LS			(3550)
MECHANICAL UTILITIES	LS			(2730)
ANTI-TERRORISM/FORCE PROTECTION	LS			(90)
BOLLARDS, CLEATS, JIB CRANE AND BROW	LS			(420)
CATHODIC PROTECTION	LS			(630)
DEMOLITION/DISPOSAL PIERS 4, 6 AND 13	LS			(2330)
DREDGING	LS			(6150)
FENDERING SYSTEM	LS			(1430)
SUBTOTAL				25860
CONTINGENCY (5%)				1290
TOTAL CONTRACT COST				27150
SIOH (6%)				1630
SUBTOTAL				28780
TOTAL REQUEST ROUNDED				28780
TOTAL REQUEST				28782
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(500)

**10.Description of Proposed Construction**

Project will provide a new 3,020 square meters (19.8m X 152.5m) pile supported pier with 305 meters of berthing (MB), concrete deck, a 500-foot explosive safety arc for weapons loadouts, electrical shore power, pier lighting, information technology communications and other fiber optic cabling, cable, telephone, water, sewer, compressed air, pure water and oily waste/ waste oil piping connections off pier, bollards and cleats, jib cranes, retractable brows, rubber faced steel fendering system and specialized equipment. Dredging will be needed for berthing the 688-class, the new VIRGINIA-class and the SSN 21-class submarines on both the north and south side of the pier. Piers 6 and 4 will be demolished (463 MB) to make room for the new pier. Pier 13 will be demolished (281 MB) to open up required berthing on the North side of Pier 12. Special Construction Features include piles and rock sockets (where there is insufficient soil to achieve pile stability, the piles will be attached to the granite rock by drilling a hole for each pile and grouting the pile).

Anti-terrorism/Force Protection features will be included. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. Technical operating manuals are included.

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00129 NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT			4.Project Title PIER 6 REPLACEMENT	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P463	8.Project Cost (\$000) 28,782	
<b>11.Requirement:</b> <u>3020m2</u> <b>Adequate:</b> <u>m2</u> <b>Substandard:</b> <u>m2</u> <b>PROJECT:</b> The project will provide 305 m (two 500 Foot slips) of berthing for the 688-class, SSN21-class and the new VIRGINIA-class submarine at Naval Submarine Base (SUBASE) New London. <b>(Current Mission)</b>  <b>REQUIREMENT:</b> Adequate, efficient and secured facilities are required to provide berthing and support for the existing and future submarine operations. SUBASE New London is the homeport for the SSN 21-class submarine, the majority of the 688-class submarines and will be the homeport for the new VIRGINIA-class submarines on the east coast. Intermediate maintenance is conducted pier-side by the Naval Submarine Support Facility, Electric Boat, Navy Shipyards and Warfare Centers. This requires efficient berthing to handle the 19 boats projected to be stationed here.  <b>CURRENT SITUATION:</b> Pier 6 has a reinforced concrete deck supported by steel pipe piles, designed in 1968 and built in 1972 for the 637-class submarine. The depth of water on the south side is too shallow to properly berth the 688-class submarine. The wooden fendering system is under designed to berth the larger boats and is constantly being repaired. The pier length of 357 ft and the angle of the pier to the quaywall make the south side too short to properly accommodate a 688-class submarine. The north side of the pier will be too short for VIRGINIA-class submarines. The transformers and switchgear that supply power to the submarines are antiquated, parts for repairs on this equipment are no longer available, and the pier can no longer meet the maximum electrical demand of a SSN-688. The protective coating on the majority of the support piles is completely deteriorated exposing the steel to salt water and causing areas of severe corrosion. The utility trench located under this pier is deteriorated to the point where entire concrete areas are missing, allowing the trench to flood twice a day from the tidal action. Cranes can no longer provide support or weapon movements to the submarines in several areas where piles are missing or are severely deteriorated. Transformers have electrical grounds that can cause damage to the equipment on board the submarine.  The pier width is so narrow that any equipment or light cranes operating on the pier block the pier. This inadequate and unsafe existing facility needs to be demolished to accommodate a new state of the art pier. Disposal of Pier 6 and Pier 4 will allow room for the new Pier 6. Demolition of Pier 13, classified as inadequate, will be disposed of and will widen the slip for improved access to the north side of Pier 12.  <b>IMPACT IF NOT PROVIDED:</b>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00129 NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT			4.Project Title PIER 6 REPLACEMENT	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P463	8.Project Cost (\$000) 28,782	
<p>If this new pier is not provided, there will be an inadequate number of piers to berth submarines, will not be able to support the submarine force of the 21st century. There will be potential systems or structural failures detrimental to personnel and equipment. Loss of this pier will result in nesting nuclear submarines inadequately and more dead stick moves to support weapons loadouts, supply operations, pier side maintenance and repairs. Submarines will continue to extend to and beyond the end of the existing pier, compromising the effectiveness of the pier sentry. Every move increases cost and increases the chance of damage to these submarines. Failure to provide adequately sized piers with sufficient load bearing capacity will severely impact SUBASE New London's ability to support loading of weapons on submarines and pier-side intermediate maintenance and other logistical support.</p>				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				012004
(C) Date Design Completed				092004
(D) Percent Completed as of SEPTEMBER 2003				2%
(E) Percent Completed as of JANUARY 2004				35%
(F) Type of Design Contract			Design Bid Build	
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$2,072
(A) Production of Plans and Specifications				\$1,554
(B) All other Design Costs				\$518
(C) Total				\$2,072
(D) Contract				\$1,295
(E) In-House				\$777
4. Contract Award				112004
5. Construction Start				122004
6. Construction Complete				122006
B. Equipment associated with this project which will be provided from other appropriations:				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04																
3.Installation and Location/UIC: N00129 NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT		4.Project Title PIER 6 REPLACEMENT																	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P463	8.Project Cost (\$000) 28,782																
<table border="0"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>Fiscal Year</u></th> <th><u>Cost</u></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Appropriation</u></th> <th><u>Appropriated</u></th> <th><u>Or Requested</u></th> </tr> <tr> <th></th> <th></th> <th></th> <th><u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Power Cables/Hose/Lines</td> <td>OMN</td> <td>2005</td> <td>\$500</td> </tr> </tbody> </table> <p>JOINT USE CERTIFICATION: The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p> <p>Activity POC: STEVE MEAGHER Phone No: (860)-694-4912</p>				<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>	<u>Cost</u>	<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>Or Requested</u>				<u>(\$000)</u>	Power Cables/Hose/Lines	OMN	2005	\$500
<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>	<u>Cost</u>																
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>Or Requested</u>																
			<u>(\$000)</u>																
Power Cables/Hose/Lines	OMN	2005	\$500																

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N00129 NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT		4.Project Title MK-10 SUBMARINE ESCAPE TRAINER	
5.Program Element 0805976N	6.Category Code 17135	7.Project Number P462	8.Project Cost (\$000) 17,100

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
MK-10 SUBMARINE ESCAPE TRAINER (22,604 SF)	m2	2,100		12120
ESCAPE POOL	LS			(710)
ESCAPE TRAINER TOWER (10,602 SF)	m2	985	3,650.00	(3600)
SUPPORT BUILDING (12,002 SF)	m2	1,115	1,853.00	(2070)
BUILT-IN EQUIPMENT	LS			(5500)
TECHNICAL OPERATING MANUALS	LS			(240)
SUPPORTING FACILITIES				2710
SPECIAL CONSTRUCTION FEATURES	LS			(140)
SPECIAL FOUNDATION FEATURES	LS			(520)
ELECTRICAL UTILITIES	LS			(210)
MECHANICAL UTILITIES	LS			(740)
PAVING AND SITE IMPROVEMENTS	LS			(400)
DEMOLITION	LS			(700)
SUBTOTAL				14830
CONTINGENCY (5%)				740
TOTAL CONTRACT COST				15570
SIOH (6%)				930
SUBTOTAL				16500
DESIGN/BUILD - DESIGN COST				590
TOTAL REQUEST ROUNDED				17090
TOTAL REQUEST				17100

**10.Description of Proposed Construction**

Insulated masonry brick faced, reinforced concrete structure with a 6.1-meter diameter and 9.1 meter high column of water structure built of reinforced concrete (and built over a Los Angeles Class submarine Logistics Escape Trunk (LET) and a Virginia Class submarine Lock-in/Lock-out Trunk (LOT). Column of water structure includes a 15-person pressure lock at the 4.6-meter level. Includes space for stairs, elevator, toilet, maintenance and repair, recompression chamber, air flasks, air compressors, water filtration/circulation/heating systems, overflow tank, Heating/Ventilation/Air Conditioning (HVAC), humidity control, mechanical, and electrical rooms. Built-in equipment includes the 2-person LET and the 9 to 20 person LOT. Other features include instructors consoles, communications, video cameras and monitors; high level ambient area and underwater lighting; sound attenuation throughout; epoxy protection/coating systems; redundant high and low pressure air systems; 3 person diving bell for observation/rescue; work platform to any depth; lightning protection and emergency generator; automatic detection and re-fill of header tanks; controlled rate of pressurization to equalization; interior utilities such as potable water, fire protection system, sanitary, mechanical (including steam/condensate), communications, fire alarms and detectors, electrical, and mechanical/electrical digital control system. Support building for classrooms, offices for instructors, staff, medical personnel, showers, lockers, and relocation of an existing recompression chamber. Support building

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00129 NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT			4.Project Title MK-10 SUBMARINE ESCAPE TRAINER	
5.Program Element 0805976N	6.Category Code 17135	7.Project Number P462	8.Project Cost (\$000) 17,100	
<p>shall be masonry and steel frame construction. Standard interior finishes for training facilities. Connection to existing training facility for access to other classrooms, offices, storage is required. Demolition of Building #517 is included. Special construction features include retaining walls. Special Foundation features include rock removal. Site work includes rock excavation, retaining walls, piers, engineering fill, pavement, sidewalks, area lighting, and landscaping, water, storm, sanitary, and electrical/communications exterior distribution systems. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.</p>				
<p><b>11.Requirement:</b>                    <u>2100m2</u>                    <b>Adequate:</b>                    <u>0m2</u>                    <b>Substandard:</b>                    <u>0m2</u></p> <p><b>PROJECT:</b> Construct a pressurized escape trainer, for life saving training, utilizing the new MK-10 submarine escape immersion equipment (SEIE) currently entering the fleet. <b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b> This project provides an essential facility required to train the entire submarine fleet on employing and maintaining the MK-10 SEIE, instill the knowledge and skills required to escape from a disabled submarine, and survive the environmental elements utilizing the MK-10 SEIE. The Navy's Flag Level Submarine Escape and Rescue Review Group (SERRG) has determined that pressurized escape training is the only viable concept of training for the new MK-10 SEIE introduced to the fleet in FY2000 and scheduled to be on all submarines by FY2005. Commander Submarine Development Squadron 5 has proposed annual training requirements at 4200 students per year (Basic Enlisted Submarine School, Submarine Officers Basic Course, Nuclear Trained Enlisted). The MK-10 SEIE is one component of the entire escape system built into U.S. submarines, which includes escape trunks and hatches, air system components, flood and drain system components, and the individual escape apparatus (previously the Steinke Hood and now the MK-10 SEIE). The MK-10 SEIE is a vast improvement over the Steinke Hood. The MK-10 SEIE provides for escapes at depths to 183 meters, thermal protection, buoyancy during an escape, and survival support while awaiting rescue on the surface. The Steinke Hood does not. The purpose of the MK-10 SEIE is to maximize survival time for the crew of a distressed submarine.</p> <p>Training for the MK-10 SEIE will require complete revision of existing training to support pressurization-training requirements. Depth of water must be at least 9.1 meters for students to experience the significant effects of pressurized conditions, without restricting instructor's time at pressurized depths. Escape trunks must allow vertical escape due to pressurizing the suit for the buoyant ascent. State-of-the-art LET for two persons and a nine to twenty person (Virginia class submarine) LOT are</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00129 NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT		4.Project Title MK-10 SUBMARINE ESCAPE TRAINER		
5.Program Element 0805976N	6.Category Code 17135	7.Project Number P462	8.Project Cost (\$000) 17,100	

required to train crew members in current escape procedures. Crew members must be capable of donning the MK-10 SEIE, in a dark, cold, and noisy environment; pressurize the MK-10 SEIE; develop proper standing posture while resisting buoyancy forces to avoid damage to the MK-10 SEIE or blocking the escape hatch and preventing others from escaping; leave the escape trunk; breath properly to the surface; all while experiencing the psychological and physiological effects of the escape cycle on the mind and body.

The Naval Submarine School Groton (SUBSCOL GROTON) provides basic enlisted submarine school and submarine officer basic training in the "State of the Art" technology and operational requirements for all classes of submarines. High-risk training includes water damage control, fire fighting, as well as submarine escape training.

**CURRENT SITUATION:**

Pressurized escape training is not provided. Because the Steinke Hood (a combination hood and life jacket that covers the occupant from the top of his head to the lower portion of the rib cage) has been the only escape apparatus in use until now, escape training at water depths to simulate pressurized conditions has lost favor. The Steinke Hood also leaves a large part of the body exposed to the elements, which contributes to hypothermia and a quick death in cold-water situations.

Current training takes place in an out-of-date SSN 637 (Sturgeon) class submarine escape hatch, which requires escape through a horizontal tube into a 2.4-meter deep pool. The SSN 637 escape trunk is not the same design as those that students will encounter in the fleet. The SSN 637 class submarines have been phased out of the Navy. The current SSN 688 (Los Angeles) class submarines, the newer SSN 21 (Seawolf) class, the SSN 774 (Virginia) class submarines currently under construction, as well as the SSBN 726 (Ohio) class Trident submarines use vertical escape hatches.

With the current Navy mission to conduct more operations in littoral waters, the opportunities for accidents occurring in these more heavily populated shallow water areas greatly increase. Recent loss of the Russian submarine Kursk attests to the potential for mishap and the need for this level of training. Current wet training for the MK-10 SEIE consist of donning the suit, slipping over the edge of the pool into the water, releasing the life raft and climbing into it. This is completely inconsistent with the philosophy to provide realistic training that promotes confidence in existing submarine escape systems and foster the determination to use this escape system should the need to do so arise. Current training in Water Damage Control and Fire Fighting reflect this philosophy; existing submarine escape training does not.

**IMPACT IF NOT PROVIDED:**

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00129 NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT			4.Project Title MK-10 SUBMARINE ESCAPE TRAINER	
5.Program Element 0805976N	6.Category Code 17135	7.Project Number P462	8.Project Cost (\$000) 17,100	
<p>Officers and enlisted crew members of submarines outfitted with the MK-10 SEIE will not have the knowledge or skills required to escape from a disabled submarine. Crew members will not have the experience of accomplishing mandatory tasks in a highly stressful, disorienting environment throughout the escape cycle, or experience the effect on the human body. Without this training, and developing this critical confidence, crew members will not have the determination to use this escape system to save their lives.</p>				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of SEPTEMBER 2003				3%
(E) Percent Completed as of JANUARY 2004				3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				
(B) Where Design Was Most Recently Used:				
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$580
(A) Production of Plans and Specifications				\$500
(B) All other Design Costs				\$80
(C) Total				\$580
(D) Contract				\$80
(E) In-House				\$500
4. Contract Award				012005
5. Construction Start				042005
6. Construction Complete				022007
B. Equipment associated with this project which will be provided from other appropriations: None				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N00129 NAVAL SUBMARINE BASE NEW LONDON GROTON, CONNECTICUT		4.Project Title MK-10 SUBMARINE ESCAPE TRAINER	
5.Program Element 0805976N	6.Category Code 17135	7.Project Number P462	8.Project Cost (\$000) 17,100
<p>Activity POC: Joseph Simmons <span style="float: right;">Phone No: 860-694-4483</span></p>			

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04
3. Installation and Location: N62285 (ANACOSTIA) U.S. NAVAL OBSERVATORY WASHINGTON, DISTRICT OF COLUMBIA		4. Command Commander, Navy Region Naval District Washington
		5. Area Const Cost Index 1
6. Personnel		
	PERMANENT	STUDENTS
	SUPPORT	Total
a. As Of	OFFICER	ENLISTED
	CIVILIAN	OFFICER
	ENLISTED	CIVILIAN
	OFFICER	ENLISTED
	CIVILIAN	CIVILIAN
09/30/03	2084	1894
	3752	0
	0	0
	0	0
	0	0
b. End FY 2008	2223	1966
	3752	0
	12	0
	15	41
	0	0
	8009	7777
	8009	8009
<b>7. INVENTORY DATA (\$000)</b>		
a. TOTAL ACREAGE .....(	Acres)	
b. INVENTORY AS OF 30 Sep 2003		0
c. AUTHORIZATION NOT YET IN INVENTORY		0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		3,239
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		0
h. <b>GRAND TOTAL</b>		<b>3,239</b>
8. Projects Requested In This Program		
<u>Category</u>		<u>Cost</u>
<u>Code</u>	<u>Project Title</u>	<u>Design Status</u>
		<u>Scope</u>
		<u>(\$000)</u>
31033	ATOMIC CLOCK VAULT	466 M2
		3239
	TOTAL	3239
9. Future Projects:		
a. Included In The Following Program:		
None		
b. Major Planned Next Three Years:		
None		
c. R&M Unfunded Requirement (\$000):		
	5,840	
10. Mission or Major Functions:		
Determine the positions and motions of celestial bodies, motions of the Earth, and precise time. Provides astronomical and timing data required by the Navy and other components of the Department of Defense for navigation, precise positioning, and command, control, and communications. Makes this data available to other government agencies and to the general public. Conducts relevant research, and perform such other functions as may be directed by higher authority.		
11. Outstanding Pollution and Safety Deficiencies (\$000):		
a. Pollution Abatement(*): \$ 0		
b. Occupational Safety and Health (OSH) (#): \$ 0		

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62285 (ANACOSTIA) U.S. NAVAL OBSERVATORY WASHINGTON, DISTRICT OF COLUMBIA		4.Project Title ATOMIC CLOCK FACILITY		
5.Program Element 0805376N	6.Category Code 61020	7.Project Number P050	8.Project Cost (\$000) 3,239	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ATOMIC CLOCK FACILITY (5,016 SF)	m2	466		2210
ATOMIC CLOCK VAULT FACILITY (5,016 SF)	m2	466	3,986.81	(1860)
RADIO FREQUENCY SHIELDING	LS			(40)
SPECIAL CONSTRUCTION CONSIDERATIONS	LS			(10)
BUILT-IN EQUIPMENT	LS			(240)
TECHNICAL OPERATING MANUALS	LS			(20)
INFORMATION SYSTEMS	LS			(20)
ANTI-TERRORISM/FORCE PROTECTION	LS			(20)
SUPPORTING FACILITIES				600
SPECIAL CONSTRUCTION FEATURES	LS			(60)
ELECTRICAL UTILITIES	LS			(220)
MECHANICAL UTILITIES	LS			(40)
PAVING AND SITE IMPROVEMENTS	LS			(120)
DEMOLITION	LS			(160)
SUBTOTAL				2810
CONTINGENCY (5%)				140
TOTAL CONTRACT COST				2950
SIOH (6%)				180
SUBTOTAL				3130
DESIGN/BUILD - DESIGN COST				110
TOTAL REQUEST ROUNDED				3240
TOTAL REQUEST				3239
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1800)
<b>10.Description of Proposed Construction</b>				
<p>New construction of a single story industrial style vault facility with reinforced concrete foundation, slabs and wall systems with exterior insulation finish system, isolation pads to control vibration, sloped metal roof system, dual redundant mechanical and electrical systems, emergency generator, gas-based fire suppression system, utilities, anti-terrorism/force protection, paving, site improvements, and landscaping.</p> <p>Built-in equipment includes an energy monitoring and control system, intrusion detection system, raised access flooring, fire protection system and uninterruptible power supply.</p> <p>Information systems include telephone and data wiring ducts and fiber optic connectivity to the time dissemination facility. Special construction considerations include extra time required to move construction equipment and personnel on and off the site due to high security requirements. Special construction features include a retaining wall that is built into a hillside, oil storage tanks and deep rooted vibration isolation concrete slabs. Anti-terrorism/force protection features are included.</p> <p>Demolish buildings 6,7,27,28,29,30 and 55, which will no longer be needed after the</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62285 (ANACOSTIA) U.S. NAVAL OBSERVATORY WASHINGTON, DISTRICT OF COLUMBIA		4.Project Title ATOMIC CLOCK FACILITY		
5.Program Element 0805376N	6.Category Code 61020	7.Project Number P050	8.Project Cost (\$000) 3,239	
completion of this project. These buildings total 323 square meters. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.				
<b>11.Requirement:</b> <u>466m2</u> <b>Adequate:</b> <u>0m2</u> <b>Substandard:</b> <u>0m2</u>				
<b>PROJECT:</b>				
Construct an atomic clock vault facility at the U.S. Naval Observatory to provide the controlled environment for state-of-the-art Cesium fountain clocks developed to meet operational requirements for continuous operations, which will improve the means of distributing precise time to Department of Defense (DOD) components worldwide. <b>(Current Mission)</b>				
<b>REQUIREMENT:</b>				
An adequate, efficiently configured building is required to provide a secure and controlled laboratory environment to house clock equipment and instruments.				
The U.S. Naval Observatory (USNO) is currently scheduled to complete a working prototype of the Rubidium fountain clock by early FY2005. The prototype clock will be located in the Building 52 laboratory, but the environment (temperature, humidity and vibrations) is not stable enough to support the operational clocks.				
Geopositional accuracy is currently limited by our ability to determine the positions of the satellites, which is dependent upon synchronization of the satellites' clocks and orbits. By 2006, the Global Positioning System (GPS) IIR satellites will be in operation. These satellites will have improved clocks that will be able to take advantage of the improved accuracy of the time provided by the USNO's fountain clocks. USNO will not complete the operational fountain clocks until the clock vault is ready. Without this project, USNO will not be able to provide the improved time accuracy allowing the GPS IIR satellites to provide improved geopositional accuracy, leading to improved surveillance, weapons delivery, communications, navigation and guidance systems.				
<b>CURRENT SITUATION:</b>				
DOD Master Clock and the related vault functions are currently housed in Building 78, constructed in 1962 as an administrative office facility. Lack of adequate space, poor temperature and humidity control, inadequate ventilation and air-conditioning systems, and the proximity to a helicopter pad exposes the existing facility to excessive vibrations which significantly impacts the required controlled environment.				
<b>IMPACT IF NOT PROVIDED:</b>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62285 (ANACOSTIA) U.S. NAVAL OBSERVATORY WASHINGTON, DISTRICT OF COLUMBIA			4.Project Title ATOMIC CLOCK FACILITY	
5.Program Element 0805376N	6.Category Code 61020	7.Project Number P050	8.Project Cost (\$000) 3,239	
This project supports the master positioning, navigation, and timing standards for all Department of Defense (DOD) operations. Deferral of this project will result in the continued usage of the existing facility to perform essential operations within cramped and uncontrolled environmental conditions. Continued use of this facility will limit DOD's capabilities to take advantage of future clock development, future communication, navigation, targeting and intelligence gathering activities.				

**12. Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	082002
(B) Date Design 35% Complete	092004
(C) Date Design Completed	042005
(D) Percent Completed as of SEPTEMBER 2004	3%
(E) Percent Completed as of JANUARY 2005	3%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design:	No
(B) Where Design Was Most Recently Used:	N/A

3. Total Cost (C) = (A) + (B) = (D) + (E) :	\$240
(A) Production of Plans and Specifications	\$200
(B) All other Design Costs	\$40
(C) Total	\$240
(D) Contract	\$40
(E) In-House	\$200

4. Contract Award	012005
5. Construction Start	042005
6. Construction Complete	042006

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
Atomic Clock	OPN	2005	\$400
Atomic CLock	OMN	2005	\$500
Atomic CLOck	OPN	2006	\$400
Atomic CloCk	OMN	2006	\$500

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N62285 (ANACOSTIA) U.S. NAVAL OBSERVATORY WASHINGTON, DISTRICT OF COLUMBIA		4.Project Title ATOMIC CLOCK FACILITY	
5.Program Element 0805376N	6.Category Code 61020	7.Project Number P050	8.Project Cost (\$000) 3,239
<p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This project supports the master positioning, navigation, and timing standards for all DOD operations, but the facility is being designed for and will be operated by Navy personnel.</p> <p>Activity POC: Charles Kane <span style="float: right;">Phone No: 202 762-1472</span></p>			

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04								
3.Installation and Location: N00174 EGLIN A F B (NSWC DIV INDIAN HEAD) EGLIN A F B, FLORIDA		4.Command Commander, Navy Region Gulf Coast								
		5.Area Const Cost Index .8								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	0	1	1	0	0	0	0	0	0	2
b. End FY 2008	0	1	1	0	2500	0	0	0	0	2502
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( Acres).....									0
b.	INVENTORY AS OF 30 Sep 2003 .....									0
c.	AUTHORIZATION NOT YET IN INVENTORY.....									0
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									0
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									0
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									0
g.	REMAINING DEFICIENCY .....									0
h.	<b>GRAND TOTAL .....</b>									<b>0</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
	EGLIN AFB ROAD IMPROVEMENTS				0 LS	2060	01/2004	04/2005		
9. Future Projects:										
a. Included In The Following Program:										
None										
b. Major Planned Next Three Years:										
c. R&M Unfunded Requirement (\$000): 0										
10. Mission or Major Functions:										
The Marines and Navy plan to conduct Amphibious Ready Group/Marine Expeditionary Unit readiness training at Eglin AFB to replace training opportunities lost at Vieques. The training of Marines and Sailors is anticipated to occur twice per year and with each training event having a total duration of 10 days, or less if only a portion of the activities is conducted. Approximately 2,500 Marines will be supported in each training exercise.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00174 EGLIN A F B (NSWC DIV INDIAN HEAD) EGLIN A F B, FLORIDA		4.Project Title EGLIN AFB ROAD IMPROVEMENTS		
5.Program Element 0216496M	6.Category Code 85110	7.Project Number P450	8.Project Cost (\$000) 2,060	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
EGLIN AFB ROAD IMPROVEMENTS	LS			1780
CONSTRUCTION (WEST ROUTE)	LS			(1660)
ENVIRONMENTAL MITIGATION	LS			(120)
SUBTOTAL				1780
CONTINGENCY (5%)				90
TOTAL CONTRACT COST				1870
SIOH (6%)				110
SUBTOTAL				1980
DESIGN/BUILD - DESIGN COST				70
TOTAL REQUEST ROUNDED				2050
TOTAL REQUEST				2060
<b>10.Description of Proposed Construction</b>				
<p>This project constructs improvements to Range Road (RR) 259 from its intersection with RR 668. It also constructs improvements to RR 713, RR 234, and RR 235 to provide a second route for the adequate and safe movement of both wheeled and tracked vehicles between the existing beach landing site at Wynnhaven Beach and various training sites that are located in the interior of the base. Construction includes replacing existing culverts; construction of maintenance turnouts; widening of 6 miles of existing trail/road from 10 feet to 20 feet; filling, leveling and stabilizing low areas in the existing roadway; straightening an existing "S" curve; replacing bridge crossing #93 and leveling the grade of the approaches; installing two 24-foot swing gates; constructing a concrete tank crossing at RR 235; and environmental mitigation.</p>				
<b>11.Requirement:</b>				
	<u>LS</u>	<b>Adequate:</b>	<u>LS</u>	<b>Substandard:</b>
				<u>LS</u>
<b>PROJECT:</b>				
<p>This project will make improvements to RR 259, RR 713, RR 234, and RR 235 in order to provide a second adequate and safe route for the movement of both wheeled and tracked vehicles between beach landing sites at Wynnhaven Beach and various training sites located in the interior of the base.</p> <p><b>(Current Mission)</b></p>				
<b>REQUIREMENT:</b>				
<p>The improvements to the Range Roads are required to provide an additional safe and adequate route for wheeled and tracked vehicles between landing sites and the interior of the base, as well as to facilitate Amphibious Ready Group (ARG) and Marine Expeditionary Unit (MEU) pre-deployment readiness training. During ARG/MEU training it is necessary for Marine wheeled and tracked vehicles to come ashore via Navy Landing Craft and continue from a beach landing site to training areas within the base in order to accomplish tactical training. In order to allow for long-term road use, significant road improvements are needed.</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04																			
3.Installation and Location/UIC: N00174 EGLIN A F B (NSWC DIV INDIAN HEAD) EGLIN A F B, FLORIDA			4.Project Title EGLIN AFB ROAD IMPROVEMENTS																				
5.Program Element 0216496M	6.Category Code 85110	7.Project Number P450	8.Project Cost (\$000) 2,060																				
<p><b>CURRENT SITUATION:</b> The condition of the Range Roads is marginally adequate for wheeled vehicles and is currently unsuitable for tracked vehicles. An adequate road network at Eglin AFB does not exist to support the movement of heavy wheeled and tracked vehicles in tactical scenarios. The development of a Naval Expeditionary Force training capability at Eglin AFB requires upgrades to the existing road infrastructure.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Without the improvements to the existing road infrastructure, deploying Naval Expeditionary units will not be able to adequately execute training aboard Eglin AFB.</p>																							
<p><b>12.Supplemental Data:</b></p> <p>A. Estimated Design</p> <p>1. Status:</p> <table> <tr> <td>(A) Date Design Start</td> <td>012004</td> </tr> <tr> <td>(B) Date Design 35% Complete</td> <td>092004</td> </tr> <tr> <td>(C) Date Design Completed</td> <td>042005</td> </tr> <tr> <td>(D) Percent Completed as of SEPTEMBER 2003</td> <td>0%</td> </tr> <tr> <td>(E) Percent Completed as of JANUARY 2004</td> <td>2%</td> </tr> <tr> <td>(F) Type of Design Contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy study/Life cycle analysis performed</td> <td>Yes</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design:</td> <td>No</td> </tr> </table> <p>(B) Where Design Was Most Recently Used:</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) :</p>					(A) Date Design Start	012004	(B) Date Design 35% Complete	092004	(C) Date Design Completed	042005	(D) Percent Completed as of SEPTEMBER 2003	0%	(E) Percent Completed as of JANUARY 2004	2%	(F) Type of Design Contract	Design Build	(G) Parametric Estimate used to develop cost	Yes	(H) Energy study/Life cycle analysis performed	Yes	(A) Standard or Definitive Design:	No	\$240
(A) Date Design Start	012004																						
(B) Date Design 35% Complete	092004																						
(C) Date Design Completed	042005																						
(D) Percent Completed as of SEPTEMBER 2003	0%																						
(E) Percent Completed as of JANUARY 2004	2%																						
(F) Type of Design Contract	Design Build																						
(G) Parametric Estimate used to develop cost	Yes																						
(H) Energy study/Life cycle analysis performed	Yes																						
(A) Standard or Definitive Design:	No																						
(A) Production of Plans and Specifications	\$200																						
(B) All other Design Costs	\$40																						
(C) Total	\$240																						
(D) Contract	\$40																						
(E) In-House	\$200																						
<p><b>JOINT USE CERTIFICATION:</b> The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Joint Use is recommended.</p>																							



1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: N60201 NAVAL STATION MAYPORT, FLORIDA		4. Command Commander, Navy Region Southeast								
		5. Area Const Cost Index .91								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	1352	11699	543	0	0	0	120	0	0	13882
b. End FY 2008	1161	10980	543	0	0	0	130	180	0	12994
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( 7,174 Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									628,345
c.	AUTHORIZATION NOT YET IN INVENTORY.....									0
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									6,200
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									35,000
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									37,240
g.	REMAINING DEFICIENCY .....									177,508
h.	<b>GRAND TOTAL .....</b>									<b>884,293</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
13372	AIRFIELD CONTROL TOWER				964 m2	6200	08/2002	06/2005		
	TOTAL					6200				
9. Future Projects:										
a. Included In The Following Program:										
72111	BEQ HOMEPORT ASHORE				18200 M2	35000				
	TOTAL					35000				
b. Major Planned Next Three Years:										
72111	BEQ HOMEPORT ASHORE				18200 M2	35000				
87210	MAIN GATE SECURITY IMPVS				19 M2	2240				
	TOTAL					37240				
c. R&M Unfunded Requirement (\$000): 0										
10. Mission or Major Functions:										
Mayport is homeport for five LAMPS MK III Helicopter Squadrons (SH 60-B Helicopter) and one LAMPS MK I Helicopter Squadron. Major units homeported at Mayport include two aircraft carriers; 28 cruisers, destroyers and frigates; one destroyer tender; three reserve ships; SIMA; and a fleet training center.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N60201 NAVAL STATION MAYPORT, FLORIDA		4.Project Title AIRFIELD CONTROL TOWER	
5.Program Element 0203176N	6.Category Code 13372	7.Project Number P189	8.Project Cost (\$000) 6,200

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
AIRFIELD CONTROL TOWER (10,376 SF)	m2	964		4180
MTRACON (7,416 SF)	m2	689	3,277.51	(2260)
AIRCRAFT CONTROL TOWER (2,960 SF)	m2	275	5,464.55	(1500)
BUILT-IN EQUIPMENT	LS			(330)
TECHNICAL OPERATING MANUALS	LS			(80)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
SUPPORTING FACILITIES				1190
SPECIAL FOUNDATION FEATURES	LS			(80)
ELECTRICAL UTILITIES	LS			(370)
MECHANICAL UTILITIES	LS			(210)
PAVING AND SITE IMPROVEMENTS	LS			(40)
DEMOLITION	LS			(490)
SUBTOTAL				5370
CONTINGENCY (5%)				270
TOTAL CONTRACT COST				5640
SIOH (6%)				340
SUBTOTAL				5980
DESIGN/BUILD - DESIGN COST				210
TOTAL REQUEST ROUNDED				6190
TOTAL REQUEST				6200

**10.Description of Proposed Construction**

Aviation Control Tower: Separate 6 story steel frame building with control tower cab and ground electronic spaces, precast concrete wall panel, uninterruptible power system (UPS) w/back-up generator, built-up modified bitumen roof, pile foundation, fire protection system, information system, elevator, utilities and mechanical heating, ventilation and air conditioning system (HVAC) and pedestrian paving. The project will demolish the existing tower at building 90 (199 m2), building 450 (97 m2) and building 437 (349 m2).

MTRACON Building: Single story masonry construction, open web steel roof joists with built-up modified bitumen roof, concrete footings and slab on grade, fire protection system, information system, raised computer flooring, utilities, HVAC, metal stud and sheetrock interior wall partitions, lighting, plumbing, security fencing, concrete sidewalks.

The construction of this project will include anti-terrorism force protection features. These standards require structural enhancements to the control tower to prevent progressive collapse, reinforced exterior masonry walls, structural glazing, mass notification systems, emergency cutoff switches for HVAC systems, internal utility routing and improved equipment bracing.

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N60201 NAVAL STATION MAYPORT, FLORIDA		4.Project Title AIRFIELD CONTROL TOWER		
5.Program Element 0203176N	6.Category Code 13372	7.Project Number P189	8.Project Cost (\$000) 6,200	
Technical operating manuals will be provided.				
<b>11.Requirement:</b> <u>964m2</u> <b>Adequate:</b> <u>0m2</u> <b>Substandard:</b> <u>0m2</u> <b>PROJECT:</b> This project constructs a Control Tower collocated with a Military Terminal RADAR Approach Control Facility (MTRACON). <b>(Current Mission)</b>  <b>REQUIREMENT:</b> Adequate and efficiently configured facilities are required to collocate air traffic control and ground electronics functions and support future upgrades incorporating National Airspace Modernization (NAS Mod) and Digital Air Surveillance Radar (DASR-11, AN/GPN-30, STARS, AN/FSQ-204 and VIDS AN/FYC-22). New facilities will supplement those already existing at building 90. NAVSTA Mayport's mission is to maintain and operate facilities and provide services and materials to support aviation operations of CINCLANTFLT and COMSECONDFLT operating forces. NAVSTA Mayport is the East Coast tactical helicopter hub for six Helicopter Anti-Submarine squadrons (a total of 85 H-60 helicopters). Yearly, NAVSTA Mayport averages 90 days of carrier divert services and hosts over 650 transient aircraft supporting 3 flag staffs, 1 aircraft carrier, and 21 ships homeported in Mayport's basin. Annual air operations have grown steadily the past 3 years (from ~90,000 to ~100,000) given the additional mission requirements for HSL helicopters (armed helo, Night Vision Goggle). Each year, Mayport also provides support for 12 detachments averaging 4 aircraft.  <b>CURRENT SITUATION:</b> Air Traffic Control Tower Building 90: The existing air traffic control tower was constructed in 1954. The air traffic control tower height does not provide adequate line of sight to all airfield surfaces as required by FAA 6480.4 criteria, which poses an operational safety hazard. The Control Tower Cab (22ft x 22ft), commonly manned with 4 qualified controllers and 3 trainees, violates Fire Inspection Division (NFPA 101 LIFE SAFETY CODE) space and access requirements. Current tower cab equipment spacing arrangement is not adequate to house recently installed modern aviation control equipment and further exacerbates the cramped workspace thus impacting the quality of the workplace. The recent installation of the Emergency Communication System (ECS) on the tower's fourth deck has resulted in a cramped workspace with potential for electric shock safety hazards. One equipment rack has been partially disassembled to allow for safe access to electronic equipment for maintenance and troubleshooting purposes. The poor design and condition of the heating, ventilation and air conditioning system (HVAC) results in temperature differences between equipment spaces and the manned tower cab that have caused humidity problems in the electronic spaces with moisture build up on the equipment. The tower HVAC has no dampers, and temperatures in the tower vary				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N60201 NAVAL STATION MAYPORT, FLORIDA		4.Project Title AIRFIELD CONTROL TOWER		
5.Program Element 0203176N	6.Category Code 13372	7.Project Number P189	8.Project Cost (\$000) 6,200	

greatly between afternoon and midnight operations. Window condensation is a persistent problem affecting controller visibility, which is a safety of flight concern. Metal on the cab base, roof, catwalk, ladders, safety railings, and windows continue to rust away. The structural condition of the external metal structures present safety issues for maintenance personnel when on the tower cab catwalk and roof due to crumbling cement and loose safety railings. The lightning protection system is judged to be ineffective due to excessive corrosion.

NAVSTA Mayport's Radar Traffic Control Facility (Building 437) is a converted communications center that houses ATC IFR capability and a portion of required terminal equipment. Due to space limitations, building 90 contains the remaining terminal equipment. This radar facility building was designed as a communications center and constructed in 1969. Air Operations personnel conducted a self-help project to convert the building to house IFR control operations and terminal equipment. Flight data input output (FDIO) was relocated to Building 90 due to space deficiencies. Inadequate space exists for a controller training room, debriefing room, and the 15G33 ATC training device. Equipment spaces are set up for maximum cooling, and the HVAC system is not zoned and cannot be balanced. Lack of environmental controls result in an unsatisfactory workplace environment, requiring electric space heaters being used year round in the occupied spaces. The building is considered to be inadequate as a result of it being encumbered by the Explosive Safety Quantity Distance arc for the Naval Station's primary ammunition loading berth at wharf B-2.

**IMPACT IF NOT PROVIDED:**

Air Traffic Control (ATC) will operate in violation of FAA 6480.4 criteria for minimum eye level elevation for tower cab, which will degrade the safety, and efficiency of the air traffic control operations. The planned installation of National Airspace Modernization (NAS Mod) equipment will not be incorporated. The existing tower will continue to suffer from significant structural deterioration causing potential safety hazards to maintenance personnel. The tower will eventually require tower reinforcement and a new cab. Humidity and potential lightning damage will continue to present significant risks to equipment. The insufficient space, poor interior configuration, and lack of zoning of the air conditioning will continue to present hazardous working conditions and directly impact the quality of the workplace, thus negatively impacting morale and productivity. An Explosive Safety waiver will continue to be required for personnel exposed to the ESQD arc from wharf B-2.

**12.Supplemental Data:**

- A. Estimated Design
  - 1. Status:

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N60201 NAVAL STATION MAYPORT, FLORIDA		4.Project Title AIRFIELD CONTROL TOWER	
5.Program Element 0203176N	6.Category Code 13372	7.Project Number P189	8.Project Cost (\$000) 6,200
<p>(A) Date Design Start 082002</p> <p>(B) Date Design 35% Complete 092004</p> <p>(C) Date Design Completed 042005</p> <p>(D) Percent Completed as of SEPTEMBER 2003 3%</p> <p>(E) Percent Completed as of JANUARY 2004 3%</p> <p>(F) Type of Design Contract Design Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy study/Life cycle analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$240</p> <p>(A) Production of Plans and Specifications \$200</p> <p>(B) All other Design Costs \$40</p> <p>(C) Total \$240</p> <p>(D) Contract \$40</p> <p>(E) In-House \$200</p> <p>4. Contract Award 012005</p> <p>5. Construction Start 042005</p> <p>6. Construction Complete 102006</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p> <p>Activity POC: CDR Michael Huggins Phone No: 904-270-5252</p>			

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: N68733 STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA		4. Command Commander, Navy Region Southeast								
5. Area Const Cost Index .99										
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	450	4315	1863	0	128	0	101	128	0	7256
b. End FY 2008	468	4543	1863	0	128	0	101	399	0	7502
<b>7. INVENTORY DATA (\$000)</b>										
a. TOTAL ACREAGE .....( Acres).....										
b. INVENTORY AS OF 30 Sep 2003 .....										306,678
c. AUTHORIZATION NOT YET IN INVENTORY.....										11,510
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....										16,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....										0
f. PLANNED IN NEXT THREE PROGRAM YEARS .....										0
g. REMAINING DEFICIENCY .....										138,115
h. <b>GRAND TOTAL</b> .....										<b>472,303</b>
8. Projects Requested In This Program										
<u>Category</u>										
<u>Code</u>	<u>Project Title</u>					<u>Scope</u>	<u>Cost</u>	<u>Design Status</u>		
							<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>	
87210	ENCLAVE FENCING AND PARKING					0 LS	16000	08/2002	04/2005	
	TOTAL						16000			
9. Future Projects:										
a. Included In The Following Program:										
None										
b. Major Planned Next Three Years:										
None										
c. R&M Unfunded Requirement (\$000): 1,000										
10. Mission or Major Functions:										
Receives, transships, maintains, stores and issues ammunition, missiles and explosive ordnance for the military services in Hawaii and the Pacific Ocean area.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N68733 STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA		4.Project Title ENCLAVE FENCING AND PARKING		
5.Program Element 0212476N	6.Category Code 87210	7.Project Number P594	8.Project Cost (\$000) 16,000	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ENCLAVE FENCING AND PARKING	LS			3360
FENCING (28,000 LF)	m	8,534.4	193.15	(1650)
CABLE BARRIER (28,000 LF)	m	8,534.4	69.53	(590)
PAVED PATROL ROAD (107,996 SF)	m2	10,033.2	52.95	(530)
PARKING (89,997 SF)	m2	8,361	70.41	(590)
SUPPORTING FACILITIES				10510
ELECTRICAL UTILITIES	LS			(4730)
PAVING AND SITE IMPROVEMENTS	LS			(2590)
DEMOLITION	LS			(170)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1710)
FENCE-LINE STABILIZATION	LS			(140)
WETLANDS MITIGATION	LS			(1170)
SUBTOTAL				13870
CONTINGENCY (5%)				690
TOTAL CONTRACT COST				14560
SIOH (6%)				870
SUBTOTAL				15430
DESIGN/BUILD - DESIGN COST				550
TOTAL REQUEST ROUNDED				15980
TOTAL REQUEST				16000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(18000)
<b>10.Description of Proposed Construction</b>				
<p>Project provides, modifies, or upgrades waterfront security fencing and patrol roads, lighting and utility systems, temporary and permanent security facilities, perimeter intrusion detection system, communications, cameras, supervisory control systems, gates, barriers and site improvements. Provides replacement parking for ship personnel parking within the security enclave. Security escort services will also be provided for construction in high security areas or during high security drills or operations.</p> <p>Provides a security barrier consisting of a patrol road, twin 2.13 meter (7 foot) chain link, vinyl clad fences with outriggers. The twin fences will be separated with a dead zone. An additional single line fence will be provided. Protection against vehicle penetration will be provided by the use of double cable barriers. Replacement parking will be an open, asphalt, paved, ground level parking, close to or adjacent to the existing parking lot.</p> <p>Demolition includes 8,000 feet of existing fence that has been damaged by drilling holes in the support poles for cable barriers, three existing guard booth buildings, and removing parking and utilities in various areas. Wetlands mitigation will be provided.</p>				
<b>11.Requirement:</b>				
	<u>LS</u>	<b>Adequate:</b>	<u>LS</u>	<b>Substandard:</b>
				<u>LS</u>

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N68733 STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA			4.Project Title ENCLAVE FENCING AND PARKING	
5.Program Element 0212476N	6.Category Code 87210	7.Project Number P594	8.Project Cost (\$000) 16,000	
<p><b>PROJECT:</b> This project upgrades the existing Naval Submarine Base (SUBASE) Kings Bay security fencing and includes site improvements to enhance waterfront security. <b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b> Adequate fencing and lighting along with supporting utilities and site improvements are necessary to meet SUBASE Kings Bay's waterfront security requirements. Replacement parking is required to maintain the quality of life of submarine personnel.</p> <p><b>CURRENT SITUATION:</b> Current waterfront security requirements require additional countermeasures consistent with the heightened threat awareness.</p> <p><b>IMPACT IF NOT PROVIDED:</b> The TRIDENT mission performance at the SUBASE waterfront will continue to be exposed to unnecessary risk.</p>				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of SEPTEMBER 2003				3%
(E) Percent Completed as of JANUARY 2004				3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				No
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$580
(A) Production of Plans and Specifications				\$500
(B) All other Design Costs				\$80
(C) Total				\$580
(D) Contract				\$80
(E) In-House				\$500
4. Contract Award				012005
5. Construction Start				042005
6. Construction Complete				042007

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N68733 STRATEGIC WEAPONS FACILITY, ATLANTIC KINGS BAY, GEORGIA			4.Project Title ENCLAVE FENCING AND PARKING	
5.Program Element 0212476N	6.Category Code 87210	7.Project Number P594	8.Project Cost (\$000) 16,000	
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>	
TV CAMERAS AND SECURITY SYSTEMS	OPN	2006	\$18,000	
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Tammy Cobb			Phone No: 912-673-4099	

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04
3. Installation and Location: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS		4. Command Commander, Navy Region Midwest
		5. Area Const Cost Index 1.27
6. Personnel		
	PERMANENT	STUDENTS
	SUPPORT	Total
a. As Of	OFFICER	ENLISTED
	CIVILIAN	OFFICER
	ENLISTED	CIVILIAN
	OFFICER	ENLISTED
	CIVILIAN	CIVILIAN
09/30/03	576	4126
	1177	0
	5294	0
	756	5294
	0	0
b. End FY 2008	623	4241
	1177	0
	6971	0
	756	1635
	0	0
		13564
		15403
<b>7. INVENTORY DATA (\$000)</b>		
a. TOTAL ACREAGE .....( 3,832 Acres).....		
b. INVENTORY AS OF 30 Sep 2003 .....		1,362,260
c. AUTHORIZATION NOT YET IN INVENTORY.....		232,014
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....		132,971
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....		131,280
f. PLANNED IN NEXT THREE PROGRAM YEARS .....		135,610
g. REMAINING DEFICIENCY .....		319,600
<b>h. GRAND TOTAL .....</b>		<b>2,313,735</b>
8. Projects Requested In This Program		
<u>Category</u>	<u>Scope</u>	<u>Cost</u>
<u>Code</u> <u>Project Title</u>		<u>(\$000)</u>
17135    BATTLE STATIONS INCREMENT II	17859 m2	58200
72115    RTC RECRUIT BARRACKS	16700 m2	35920
72115    RTC RECRUIT BARRACKS	16870 m2	38851
TOTAL		132971
9. Future Projects:		
a. Included In The Following Program:		
17140    RTC DRILL HALL RPL	6050 M2	14500
72111    RTC BARRACKS	16700 M2	35000
72111    RTC BARRACKS	16700 M2	35000
85110    RTC INFRASTRUCTURE UPGRADE	0 LS	46780
TOTAL		131280
b. Major Planned Next Three Years:		
72111    RTC BARRACKS	16700 M2	34500
72111    RTC BARRACKS	16700 M2	34500
72111    RTC BARRACKS	16700 M2	34500
72111    BEQ (NAVAL HOSPITAL)	17075 M2	24000
73020    RELOCATE SECURITY FACILITY	2300 m2	4500
87210    REPLACE PERIMETER FENCE	12073 M2	3610
TOTAL		135610
c. R&M Unfunded Requirement (\$000):            851,000		
10. Mission or Major Functions:		
Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel at Recruit Training Command Service School.		

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04
3. Installation and Location: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS	4. Command Commander, Navy Region Midwest	5. Area Const Cost Index 1.27
<p>11. Outstanding Pollution and Safety Deficiencies (\$000):</p> <p>a. Pollution Abatement(*): \$ 0</p> <p>b. Occupational Safety and Health (OSH) (#): \$ 0</p>		

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS		4.Project Title BATTLE STATIONS (INCREMENT II)	
5.Program Element 0805976N	6.Category Code 17135	7.Project Number P745A	8.Project Cost (\$000) Auth 10 Approp 58,200 Auth for Approp 58,200

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
BATTLE STATIONS (INCREMENT II) (192,233 SF)	m2	17,859		54510
BATTLE STATIONS BUILDING (154,085 SF)	m2	14,315	2,084.07	(29830)
PHOTO LABORATORY (12,529 SF)	m2	1,164	2,121.33	(2470)
RECRUIT TRAINING COMMAND ADMINISTRATION (13,326 SF)	m2	1,238	2,758.03	(3410)
RECRUIT DIVISION COMMANDERS SCHOOL (12,292 SF)	m2	1,142	2,136.17	(2440)
COMMUNICATION WIRING	LS			(290)
DAMAGE RESISTANT CONSTRUCTION	LS			(560)
SIMULATED OCEAN	LS			(300)
BUILT-IN EQUIPMENT	LS			(14020)
TECHNICAL OPERATING MANUALS	LS			(660)
ANTI-TERRORISM/FORCE PROTECTION	LS			(530)
SUPPORTING FACILITIES				7390
SPECIAL CONSTRUCTION FEATURES	LS			(2300)
ELECTRICAL UTILITIES	LS			(690)
MECHANICAL UTILITIES	LS			(1070)
PAVING AND SITE IMPROVEMENTS	LS			(2190)
DEMOLITION	LS			(1140)
SUBTOTAL				61900
CONTINGENCY (5%)				3100
TOTAL CONTRACT COST				65000
SIOH (6%)				3900
SUBTOTAL				68900
DESIGN/BUILD - DESIGN COST				2490
LESS INCREMENT I	LS			-13200
TOTAL REQUEST ROUNDED				58190
TOTAL REQUEST				58200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(16500)

**10.Description of Proposed Construction**

Construct a multi-story concrete/steel framed building with metal roof, heating, air conditioning of the administrative and support spaces, ventilation of the event spaces, fire protection, telephone, entrance canopy, mechanical and electrical utilities, emergency generator, technical operating manuals, parking, recruit pedestrian concourse, loading dock, and site improvements. The facility will contain battle station events that include a simulated ocean, ship mockups, pier mockups, briefing and debriefing rooms, observation mezzanines, and a fire-fighting simulator. To enhance realism, various technologies and ship-board simulations will be used in the events including heated pipes and bulkheads, real and simulated fire, broken water and steam pipes,

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS		4.Project Title BATTLE STATIONS (INCREMENT II)		
5.Program Element 0805976N	6.Category Code 17135	7.Project Number P745A	8.Project Cost (\$000) Auth 10 Approp 58,200 Auth for Approp 58,200	
<p>flooding compartments, damaged compartments, fog, strong winds, rain, sound effects, simulated scents, and three dimensional (3-D) video projections. The existing Battle Stations/Photography Laboratory, building 1312 (4,762 m2) and existing Recruit Training Center (RTC) Administration building 1127 (12,953 m2) will be demolished. A new Photography Laboratory will be constructed as an addition to the Navy Exchange, Building 1326. RTC Administration and the Recruit Division Commanders School will be relocated from building 1127 to the new Battle Stations building. Built-in equipment includes mockups of ship decks, compartments, piers, and ocean space; ship's hatches, bits, bollards, winches, ladders; emergency generator, 3-D projection booths, ship's fire water system, propane tanks and piping, wave making machines, moving platforms, ventilators for firefighting equipment, and other equipment needed to simulate shipboard conditions. Special construction features include recessed, thickened, and isolated slabs for equipment and larger foundations for ship mockup structures. Anti-terrorism/Force Protection features will be included. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.</p>				
<p><b>11.Requirement:</b>                    <u>17859m2</u>                    <b>Adequate:</b>                    <u>0m2</u>                    <b>Substandard:</b>                    <u>0m2</u></p>				
<p><b>PROJECT:</b> Provides a facility, containing physically and mentally challenging events, that acts as a final test of a recruit's endurance, teamwork, basic skills and Navy core values. <b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b> Adequate facilities are required to conduct a performance test of four recruit divisions (88 recruits per division plus up to six per division repeating) at one time in a challenging and stress-filled environment simulating various ship-board emergencies. Provide an immersive Battle Stations training experience with "reality-based" Navy scenarios that offer a more effective, comprehensive, and experience based/embedded training environment for new recruits. Transform existing disparate events into a story-rich, experiential environment. This training environment triggers the brain to store spatial experience and emotional reactions along with the "facts." This project provides the Navy with a state-of-the-art, highly effective training facility that can provide sailors with enhanced levels of fleet readiness. The RTC training regiment requires each recruit to satisfactorily complete Battle Stations prior to graduating. Recruits are tested on teamwork, physical endurance, seamanship skills, problem-solving skills, basic safety, and core values during the seventh week of an eight week recruit training cycle. RTC Great Lakes, the Navy's only recruit training base, trains approximately 50,000 to 56,000 recruits per year with a maximum of 16,168 recruits</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS		4.Project Title BATTLE STATIONS (INCREMENT II)	
5.Program Element 0805976N	6.Category Code 17135	7.Project Number P745A	8.Project Cost (\$000) Auth 10 Approp 58,200 Auth for Approp 58,200

present at any given time during the peak period of May through October each year.

**CURRENT SITUATION:**

The main Battle Stations Building #1312 was constructed in 1942 as a semi-permanent building and does not have the capability to incorporate new technology to enhance realism. It also does not meet current fire and safety codes. Battle Stations events are conducted in several facilities located in different areas of the base. Recruits run from event to event on concrete or asphalt surfaces in all types of weather resulting in increased injuries. Most of the training event mock-ups were constructed by self-help and lack adequate realism. The existing Battle Stations training is not immersive and realistic enough to cause the trainee to "suspend their disbelief" in order for the learning to transfer and be embedded as a real world experience.

Recruit classrooms are being decentralized to the new recruit barracks being constructed at RTC. When this occurs, approximately half of Building 1127 will be unoccupied. Consolidation of RTC Administration and the Recruit Division Commander (RDC) School into the new Battle Stations building will allow Building 1127 to be demolished.

**IMPACT IF NOT PROVIDED:**

Without this project, RTC Great Lakes will not be able to maximize the training potential that is available through immersive, "reality-based," experiential learning. Training results will continue to be constrained by the limitations of a loosely connected series of events that take place in several facilities around the base. The training experience will continue to be disrupted and interrupted by the transit from one building to another in all kinds of weather. Sailors will not be as confident and ready to serve the Fleet as they could be.

**12.Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	062002
(B) Date Design 35% Complete	122003
(C) Date Design Completed	062004
(D) Percent Completed as of SEPTEMBER 2003	30%
(E) Percent Completed as of JANUARY 2004	35%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS		4.Project Title BATTLE STATIONS (INCREMENT II)	
5.Program Element 0805976N	6.Category Code 17135	7.Project Number P745A	8.Project Cost (\$000) Auth 10 Approp 58,200 Auth for Approp 58,200

(A) Standard or Definitive Design:	No
(B) Where Design Was Most Recently Used:	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :	\$2,650
(A) Production of Plans and Specifications	\$2,100
(B) All other Design Costs	\$550
(C) Total	\$2,650
(D) Contract	\$2,100
(E) In-House	\$550
4. Contract Award	022004
5. Construction Start	032004
6. Construction Complete	122006

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
Scenario equipment	OPN	2005	\$16,500

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.

Activity POC: LDCR Michaela Bradley

Phone No: 847-688-4211

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS		4.Project Title RTC RECRUIT BARRACKS		
5.Program Element 0203276N	6.Category Code 72115	7.Project Number P739	8.Project Cost (\$000) 38,851	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
RTC RECRUIT BARRACKS (181,587 SF)	m2	16,870		29720
RECRUIT BARRACKS (150,566 SF)	m2	13,988	1,508.00	(21090)
APPLIED INSTRUCTION BUILDING (14,338 SF)	m2	1,332	2,137.25	(2850)
ENLISTED DINING FACILITY (16,684 SF)	m2	1,550	3,319.15	(5140)
BUILT-IN EQUIPMENT	LS			(200)
TECHNICAL OPERATING MANUALS	LS			(190)
ANTI-TERRORISM/FORCE PROTECTION	LS			(250)
SUPPORTING FACILITIES				4570
ELECTRICAL UTILITIES	LS			(530)
MECHANICAL UTILITIES	LS			(1150)
PAVING AND SITE IMPROVEMENTS	LS			(1570)
DEMOLITION	LS			(1320)
SUBTOTAL				34290
CONTINGENCY (5%)				1710
TOTAL CONTRACT COST				36000
SIOH (6%)				2160
SUBTOTAL				38160
DESIGN/BUILD - DESIGN COST				690
TOTAL REQUEST ROUNDED				38850
TOTAL REQUEST				38851
<b>10.Description of Proposed Construction</b>				
<p>Construct a three story open-bay, concrete frame, brick veneer, metal roof building to accommodate 1,056 recruits, including classrooms and a modified enlisted closed mess to serve the entire 1056 recruits and staff in 60 minutes (food serving and eating area only). The facility will have an entrance canopy, a fire protection system, utilities, pipelines, heating, ventilating and air conditioning, earthworks, running tracks, technical operating manuals, and paving and site improvements. Demolition of one existing bachelor quarters (8228 square meters) is included, and removal of contaminated. Built-in equipment includes an elevator. Anti-terrorism/force protection features will be included. Technical operating manuals will be included. The facility will be constructed to seismic zone 1 criteria. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.</p> <p>Intended Grade Mix: 1,056 Recruits Maximum Utilization: 1,056 Recruits</p>				
<b>11.Requirement:</b> <u>16168PN</u> <b>Adequate:</b> <u>8888PN</u> <b>Substandard:</b> <u>7280PN</u>				
<b>PROJECT:</b>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS		4.Project Title RTC RECRUIT BARRACKS		
5.Program Element 0203276N	6.Category Code 72115	7.Project Number P739	8.Project Cost (\$000) 38,851	
<p>Construct a new 1,056 person Recruit Barracks at the Recruit Training Command (RTC) to provide adequate berthing space, messing facilities, and academic instruction spaces in the same building (all in one complex - AIOC).</p> <p><b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b> Adequate recruit barracks are required to support the Chief of Naval Operations approved surge capacity for RTC Great Lakes is 16,168 recruits. Currently, the individual recruit barracks house 1,056 recruits in less than 50 NSF per person. This is in violation of the current minimum standard of 72 NSF per person and requires a waiver to operate at this capacity. This project is a continuation of previous military construction (MCON) projects to correct this space deficiency and institute a new training concept where the academic recruit training is done in the same facility as the living quarters. This new training concept is currently being used successfully by the Army and Air Force and utilizes an all in one complex (AIOC) for more efficient use of training time. A study conducted by Naval Facilities Engineering Command (NAVFAC) (Southern Division) and Naval Air Warfare Center (Southern Division) (NAWCTSD) supported use of this training concept at RTC Great Lakes. The current total barracks capacity is 10,800 based on current space criteria. Other approved MCON projects will partially eliminate the deficiency. Future projects will continue to be submitted to replace all of the existing barracks using this AIOC concept. For training purposes, divisions are best sized at 88 PN. With 12 divisions planned for each building, this calculates to the total of 1056 recruits per building.</p> <p><b>CURRENT SITUATION:</b> Recruit training is hampered by the lack of suitable or adequate berthing facilities. Currently, recruits are housed in barracks that have a space allowance of less than 50 NSF per recruit and a waiver is required to operate in this manner. This does not meet the current standard of 72 NSF per recruit. In addition, the current facilities were built in the 1950s and 1960s and are reaching the end their useful life. Maintenance is a major problem and there is no air conditioning or forced air ventilation in any of the barracks. They are heated with steam fin tube radiators along the perimeter walls and there is virtually no control. Windows have to be opened to control the temperature. Many of the windows are inoperative. The buildings do not meet current ASHRAE (American Society of Heating, Refrigerating and Air Conditioning Engineers) outside air ventilation requirements. Court yards are a waste of usable space. The gang heads were built for a capacity of 60 which is not sufficient for the existing 88-94 persons per division. The only fire protection is smoke detectors. The exterior of the structures are deteriorated with exposed re-bar in many areas due to spalling concrete. The water, sewer, and electrical systems are old, undersized, and unreliable. Based on a current study evaluating the RTC Barracks, approximately \$25 million per barracks will be required to correct the current maintenance backlog and criteria deficiencies. The poor</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS			4.Project Title RTC RECRUIT BARRACKS	
5.Program Element 0203276N	6.Category Code 72115	7.Project Number P739	8.Project Cost (\$000) 38,851	
<p>condition of the facilities results in recruits being housed in uncomfortable, unsafe, crowded, and potentially unhealthy conditions.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Recruits will continue to be housed in uncomfortable, unsafe, crowded, and potentially unhealthy conditions. An inordinate amount of training time will be lost due to the distance between berthing and classrooms and due to the time spent waiting in line for meals. If the deficiency is not corrected, the training mission requirements will be severely impacted by reducing training time, training consistency, increased attrition, etc. The Navy's long range recruiting goals will not be realized if these facility deficits continue to exist. Mission support and readiness throughout the Navy will be impacted if recruit training is limited by lack of berthing and training spaces. These deficiencies at RTC Great Lakes are resulting in the inability to train an adequate number of recruits to meet the fleet requirement of 56,000 throughput and a 16,168 surge requirement. Furthermore, the opportunity to significantly improve training efficiency and quality through an "all in one concept" will be lost. This is a major concern to Chief of Naval Operations, the Secretary of the Navy, and Congress.</p>				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of	SEPTEMBER	2003		3%
(E) Percent Completed as of	JANUARY	2004		3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				Yes
(B) Where Design Was Most Recently Used:			P730 / 731 Recruit Barracks	
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$300
(A) Production of Plans and Specifications				\$250
(B) All other Design Costs				\$50
(C) Total				\$300
(D) Contract				\$50
(E) In-House				\$250
4. Contract Award				012005
5. Construction Start				042005
6. Construction Complete				072006



1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS		4.Project Title RTC RECRUIT BARRACKS		
5.Program Element 0203276N	6.Category Code 72115	7.Project Number P738	8.Project Cost (\$000) 35,920	

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
RTC RECRUIT BARRACKS (179,757 SF)	m2	16,700		28130
RECRUIT BARRACKS (150,566 SF)	m2	13,988	1,421.57	(19880)
APPLIED INSTRUCTION BUILDING (14,338 SF)	m2	1,332	2,172.30	(2890)
ENLISTED DINING FACILITY (14,854 SF)	m2	1,380	3,421.50	(4720)
BUILT-IN EQUIPMENT	LS			(100)
TECHNICAL OPERATING MANUALS	LS			(200)
ANTI-TERRORISM/FORCE PROTECTION	LS			(340)
SUPPORTING FACILITIES				3570
ELECTRICAL UTILITIES	LS			(390)
MECHANICAL UTILITIES	LS			(450)
PAVING AND SITE IMPROVEMENTS	LS			(430)
DEMOLITION	LS			(2300)
SUBTOTAL				31700
CONTINGENCY (5%)				1590
TOTAL CONTRACT COST				33290
SIOH (6%)				2000
SUBTOTAL				35290
DESIGN/BUILD - DESIGN COST				630
TOTAL REQUEST ROUNDED				35920
TOTAL REQUEST				35920

**10.Description of Proposed Construction**

**Recruit Barracks:**

Construct a three story open-bay, concrete frame, brick veneer, metal roof building to accommodate 1,056 recruits, including classrooms and a modified enlisted closed mess to serve the entire 1056 recruits and staff in 60 minutes (food serving and eating area only). The facility will have an entrance canopy, a fire protection system, utilities, heating, ventilating and air conditioning system, pipelines, technical operating manuals, paving, and site improvements. Demolition of one existing bachelor quarters (9129 square meters) and one classroom building (5622 square meters) is included. Built-in equipment includes an elevator.

Intended Grade Mix: 1,056 Recruits

Maximum Utilization: 1,056 Recruits

**Confidence Course:**

Construct a one story open-bay, steel frame, brick veneer, metal roof building to accommodate 176 recruits, including classroom/briefing area, recruit heads, staff office, and mechanical spaces. The facility will have an entry canopy, acoustical treatments, a fire protection system, utilities, heating, ventilating and air conditioning, pipelines, technical operating manuals, paving, and site improvements. Demolition of the existing Confidence Course Building 1414 (1,395 square meters) is

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS		4.Project Title RTC RECRUIT BARRACKS		
5.Program Element 0203276N	6.Category Code 72115	7.Project Number P738	8.Project Cost (\$000) 35,920	

included. Built-in equipment includes fourteen obstacles/events.

Both facilities include anti-terrorism/force protection features. The facilities will be constructed to seismic zone 1 criteria. Sustainable design principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders.

**11.Requirement:** 16168PN                      **Adequate:** 8888PN                      **Substandard:** 7280PN

**PROJECT:**

Construct a new 1,056 person Recruit Barracks at the Recruit Training Command (RTC) to provide adequate berthing space, messing facilities, and academic instruction spaces in the same building (all in one complex - AIOC) and a confidence course building to provide adequate training.

**(Current Mission)**

**REQUIREMENT:**

Adequate recruit barracks and indoor confidence course training space are required to support the Chief of Naval Operations approved surge capacity for RTC Great Lakes of 16,168 recruits. Currently, the individual recruit barracks house 1,056 recruits in less than 50 NSF per person. This is in violation of the current minimum standard of 72 NSF per person and requires a waiver to operate at this capacity. This project is a continuation of previous military construction (MCON) projects to correct this space deficiency and institute a new training concept where the academic recruit training is done in the same facility as the living quarters. This new training concept is currently being used successfully by the Army and Air Force and utilizes an all in one complex (AIOC) for more efficient use of training time. A study conducted by Naval Facilities Engineering Command (NAVFAC) (Southern Division) and Naval Air Warfare Center (Southern Division) (NAWCTSD) supported use of this training concept at RTC Great Lakes. The current total barracks capacity is 10,800 based on current space criteria. Other approved MCON projects will partially eliminate the deficiency. Future projects will continue to be submitted to replace all of the existing barracks using this AIOC concept. For training purposes, divisions are best sized at 88 PN. With 12 divisions planned for each building, this requires a total of 1056 recruits per building.

**CURRENT SITUATION:**

Recruit Barracks:

Recruit training is hampered by the lack of suitable or adequate berthing facilities. Currently, recruits are housed in barracks that have a space allowance of less than 50 NSF per recruit and a waiver is required to operate in this manner. This does not meet the current standard of 72 NSF per recruit. In addition, the current facilities were

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS		4.Project Title RTC RECRUIT BARRACKS		
5.Program Element 0203276N	6.Category Code 72115	7.Project Number P738	8.Project Cost (\$000) 35,920	

built in the 1950s and 1960s and are reaching the end their useful life. Maintenance is a major problem and there is no air conditioning or forced air ventilation in any of the barracks. They are heated with steam fin tube radiators along the perimeter walls and there is virtually no control. Windows have to be opened to control the temperature. Many of the windows are inoperative. The buildings do not meet current ASHRAE (American Society of Heating, Refrigerating and Air Conditioning Engineers) outside air ventilation requirements. Court yards are a waste of usable space. The gang heads were built for a capacity of 60 which is not sufficient for the existing 88-94 persons per division. The only fire protection is smoke detectors. The exterior of the structures are deteriorated with exposed re-bar in many areas due to spalling concrete. The water, sewer, and electrical systems are old, undersized, and unreliable. Based on a current study evaluating the RTC Barracks, approximately \$25 million per barracks will be required to correct the current maintenance backlog and criteria deficiencies. The poor condition of the facilities results in recruits being housed in uncomfortable, unsafe, crowded, and potentially unhealthy conditions.

**Confidence Course:**

The existing Confidence Course is located on a site designated for a new recruit barracks facility. Due to limited availability of land, required setbacks from perimeter fences, and ATPF standoff requirements, the siting for the new barracks falls within the existing confidence course site thereby requiring the demolition of the existing confidence course building. Therefore, a new confidence course is required to replace the existing confidence course facility. The current confidence course requires extensive travel by the recruits thereby reducing available training time. The new course will be located closer to recruit berthing areas and other training areas, thereby, reducing transit time.

**IMPACT IF NOT PROVIDED:**

**Recruit Barracks:**

Recruits will continue to be housed in uncomfortable, unsafe, crowded, and potentially unhealthy conditions. An inordinate amount of training time will be lost due to the distance between berthing and classrooms and due to the time spent waiting in line for meals. If the deficiency is not corrected, the training mission requirements will be severely impacted by reducing training time, training consistency, and increased attrition. The Navy's long range recruiting goals will not be realized if these facility deficits continue to exist. Mission support and readiness throughout the Navy will be impacted if recruit training is limited by lack of berthing and training spaces. These deficiencies at RTC Great Lakes are resulting in the inability to train an adequate number of recruits to meet the fleet requirement of 56,000 throughput and a 16,168 surge requirement. Furthermore, the opportunity to significantly improve

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00210 NAVAL TRAINING CENTER GREAT LAKES, ILLINOIS			4.Project Title RTC RECRUIT BARRACKS	
5.Program Element 0203276N	6.Category Code 72115	7.Project Number P738	8.Project Cost (\$000) 35,920	
<p>training efficiency and quality through an "all in one concept" will be lost. This is a major concern to Chief of Naval Operations (CNO), the Secretary of the Navy, and Congress.</p> <p>Confidence Course: An inordinate amount of training time will continue to be lost due to the travel distance to the existing confidence course. If the new confidence course is not constructed in FY2005, then RTC will be without a confidence course for approximately one year to allow the demolition of the existing course and new barracks construction to proceed in FY2006.</p>				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of	SEPTEMBER	2003		3%
(E) Percent Completed as of	JANUARY	2004		3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				Yes
(B) Where Design Was Most Recently Used:			P730 / 731 Recruit Barracks	
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$300
(A) Production of Plans and Specifications				\$250
(B) All other Design Costs				\$50
(C) Total				\$300
(D) Contract				\$50
(E) In-House				\$250
4. Contract Award				012005
5. Construction Start				042005
6. Construction Complete				072006
B. Equipment associated with this project which will be provided from other appropriations: None				



1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04
----------------------	--	---------------------

3. Installation and Location: N00174 NAVAL SURFACE WARFARE DIV INDIAN HEAD INDIAN HEAD, MARYLAND	4. Command Commander, Navy Region Naval District Washington	5. Area Const Cost Index .97
--	---	------------------------------------

6. Personnel										
	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	52	469	2129	0	41	0	1	41	0	3207
b. End FY 2008	57	446	2129	0	41	0	3	506	0	3182

<b>7. INVENTORY DATA (\$000)</b>	
a. TOTAL ACREAGE .....( 30,654 Acres).....	
b. INVENTORY AS OF 30 Sep 2003 .....	3,659,505
c. AUTHORIZATION NOT YET IN INVENTORY.....	23,340
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....	13,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....	0
f. PLANNED IN NEXT THREE PROGRAM YEARS .....	60,640
g. REMAINING DEFICIENCY .....	86,880
<b>h. GRAND TOTAL .....</b>	<b>3,844,265</b>

8. Projects Requested In This Program				
<u>Category</u>			<u>Cost</u>	<u>Design Status</u>
<u>Code</u>	<u>Project Title</u>	<u>Scope</u>	<u>(\$000)</u>	<u>Start</u> <u>Complete</u>
22665	AGILE CHEMICAL FAC-W APRON	811 m2	13900	08/2002 09/2004
	TOTAL		13900	

9. Future Projects:				
a. Included In The Following Program:				
None				
b. Major Planned Next Three Years:				
14320	JOINT AIRCREW ESCAPE COMPONENTS CENTER	3194 m2	8600	
31013	ENERGETICS RES LAB CPLX	4180 m2	16150	
31610	WEAPONS DESIGN & TECH FAC	3716 m2	9930	
31810	JOINT CAD/PAD TEST FAC	2041m2	18100	
93210	FORCE PROTECTION IMPVS	2680 m2	7860	
	TOTAL		60640	
c. R&M Unfunded Requirement (\$000):		159,000		

10. Mission or Major Functions:

Provide primary technical capability in Energetics for all warfare centers through: engineering, fleet and operational support, manufacturing technology, limited production, industrial base support, and secondary technical capability through research, development, test and evaluation for: energetic materials, ordnance devices and components, and related ordnance engineering standards to include: chemicals, propellants and their propulsion systems, explosives, pyrotechnics, warheads, and simulators.

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04
3.Installation and Location: N00174 NAVAL SURFACE WARFARE DIV INDIAN HEAD INDIAN HEAD, MARYLAND	4.Command Commander, Navy Region Naval District Washington	5.Area Const Cost Index .97
<p>11. Outstanding Pollution and Safety Deficiencies (\$000):</p> <p>a. Pollution Abatement(*): \$ 0</p> <p>b. Occupational Safety and Health (OSH) (#): \$ 0</p>		

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N00174 NAVAL SURFACE WARFARE DIV INDIAN HEAD INDIAN HEAD, MARYLAND		4.Project Title AGILE CHEMICAL FACILITY	
5.Program Element 0703676N	6.Category Code 22665	7.Project Number P161	8.Project Cost (\$000) 13,900

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
AGILE CHEMICAL FACILITY (8,730 SF)	m2	811		6450
CONTROL BUILDING (960 SF)	m2	89.2	5,871.45	(520)
NITRATION PROCESS (3,520 SF)	m2	327	2,670.70	(870)
WASTEWATER AND MATERIAL HANDLING (1,200 SF)	m2	111.5	530.06	(60)
SPENT ACID PROCESSING (2,000 SF)	m2	185.8	4,097.78	(760)
SAMPLING SYSTEM (89 SF)	m2	8.3	3,093.47	(30)
MATERIAL STORAGE, PREP AND PRODUCTION FAC	LS			(2160)
UPGRADES				
DIAGNOSTICS LABORATORY (960 SF)	m2	89.2	5,653.31	(500)
BUILT-IN EQUIPMENT	LS			(770)
TECHNICAL OPERATING MANUALS	LS			(130)
INFORMATION SYSTEMS	LS			(550)
ANTI-TERRORISM/FORCE PROTECTION	LS			(100)
SUPPORTING FACILITIES				6040
SPECIAL CONSTRUCTION FEATURES	LS			(360)
ELECTRICAL UTILITIES	LS			(1310)
MECHANICAL UTILITIES	LS			(740)
PAVING AND SITE IMPROVEMENTS	LS			(60)
DEMOLITION	LS			(1850)
ENVIRONMENTAL MITIGATION	LS			(1720)
SUBTOTAL				12490
CONTINGENCY (5%)				620
TOTAL CONTRACT COST				13110
SIOH (6%)				790
SUBTOTAL				13900
TOTAL REQUEST ROUNDED				13900
TOTAL REQUEST				13900
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(5200)

**10.Description of Proposed Construction**

Construct an Agile Chemical Facility (ACF) at NSWC-Indian Head Division (IHDIV) to manufacture nitrate esters. Construct new buildings (including a new control building for remote process operation), tanks, containment structures, and other supporting equipment and facilities, stairways, platforms, and electrically conductive floors. Upgrade storage and delivery facilities for chemicals and raw materials; product manufacturing, handling, and transfer facilities; a wastewater treatment system; and a spent acid processing system. Install a central control system with an uninterrupted power supply to allow for remote monitoring and control of major ACF components.

Information Systems and Technical Operating Manuals will accompany all primary system components. The project complies with Department of Defense (DoD) anti-terrorism

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00174 NAVAL SURFACE WARFARE DIV INDIAN HEAD INDIAN HEAD, MARYLAND		4.Project Title AGILE CHEMICAL FACILITY		
5.Program Element 0703676N	6.Category Code 22665	7.Project Number P161	8.Project Cost (\$000) 13,900	
<p>construction standards. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. This project will include the demolition of 17 Moser manufacturing buildings and 7 substandard buildings at the existing Biazzi manufacturing plant (1,584 square meters; 5,197 square feet).</p> <p>IHDIV will provide government-furnished equipment (GFE) for installation with MILCON funding (e.g., newly modified nitration process equipment, sulfuric acid concentrator (SAC), and spent acid thermal destructor) at the ACF. Built-in Equipment includes pollution control equipment and process control equipment. Special construction features include soil samples and commissioning.</p>				
<p><b>11.Requirement:</b>                      <u>81m2</u>                      <b>Adequate:</b>                      <u>0m2</u>                      <b>Substandard:</b>                      <u>0m2</u></p> <p><b>PROJECT:</b> This project consolidates the capabilities of two nitration plants into one plant (the Biazzi Plant) by replacing antiquated existing nitration facilities and modernizing others to provide flexible, variable quantity production of propellants and explosives vital to joint National Defense Programs and programs for Allied Forces. <b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b> The project supports the existing mission to manufacture nitrate esters used in fleet weapons systems. This mission requires the consolidation of two aged and substandard nitration plants into one adequate and efficiently configured plant with state-of-the-art controls and equipment for the efficient, versatile, and safe production of nitrate esters. The project incorporates features that will allow for a 50-percent reduction in the amount of wastewater generated by the production process. The new facility will reduce maintenance costs while improving production flexibility and efficiency. The project will reduce the hazards associated with the manufacture of nitrate esters. Specifically, the new facility will enhance worker safety by allowing for remote operation and by reducing the amount of detonable material in the process by 300 percent at any given time. The Chemicals area of IHDIV presently has two nitration facilities. These facilities are the Biazzi and Moser Plants. The Biazzi Plant has a maximum capacity of 1,000 kg/hr and the capability to manufacture Otto Fuel (torpedo fuel, Propylene Glycol Dinitrate (PGDN)) and nitroglycerine (NG). The Moser Plant has a maximum capacity of 300 kg/hr and the capability to manufacture Trimethylolethane Trinitrate (TMETN), Triethylene Glycol Dinitrate (TEGDN), Diethylene Glycol Dinitrate (DEGDN), Butanetriol Trinitrate (BTTN), and Butyl Nitrate Ester Nitramine (BuNENA). IHDIV provides these chemicals to joint military forces and allied nations; IHDIV is the only producer of Otto Fuel (torpedo fuel) in the world.</p> <p><b>CURRENT SITUATION:</b></p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N00174 NAVAL SURFACE WARFARE DIV INDIAN HEAD INDIAN HEAD, MARYLAND		4.Project Title AGILE CHEMICAL FACILITY	
5.Program Element 0703676N	6.Category Code 22665	7.Project Number P161	8.Project Cost (\$000) 13,900

Neither nitration facility is "all inclusive" in the manufacture of nitrate esters. Certain processes of the Moser Plant are automated while the Biazzi Plant is still manually controlled. The Moser Plant is limited in its available real estate, explosives limits, and its ability to expand. The Biazzi Plant has a larger range of support facilities to complete the manufacture of different nitrate ester products within safety and environmental regulations.

With today's improving technology, the amount of explosives in the nitration process at any given time can be greatly reduced by using a centrifugal separator in the process. Both the Moser and Biazzi Plants rely on older static separators. The static separator nitration process cannot be "turned down" to a rate lower than 50 percent of the design capacity. However, a nitration process with a centrifugal separator can be "turned down" to 10 percent of its design capacity. This technology allows a 1,000-kg/hr process to be "turned down" to a rate as low as 100 kg/hr, thereby providing greater flexibility in the development and manufacture of unique nitrated chemicals.

The designer and manufacturer of the Moser Plant is no longer in business; therefore, IHDIV cannot obtain any professional support or spare parts for this plant. When a component of the Moser Plant fails and IHDIV does not have a spare part on site, the component must be custom-built. Some components at the Moser Plant cannot be replaced by any means; if these components fail, the Moser Plant will close indefinitely, halting the mission-critical production of several types of energetic materials.

While the Moser Plant is partially automated and operated in partially attended mode, the Biazzi Plant is operated in manual mode. This type of operation severely limits IHDIV's ability to reduce personnel exposure during Otto Fuel (Propylene Glycol Dinitrate (PGDN)) and nitroglycerine (NG) manufacturing. Also, the processes as currently configured do not lend themselves to effective waste minimization modifications.

The above issues combine to increase nitrate ester costs for U.S. and Allied forces. They also create a poor quality of life in the workplace. Plant personnel must conduct purely reactive--not preventive--maintenance of failing plant components. Chemicals personnel currently maintain several deteriorating facilities and equipment contaminated with lead, asbestos, and hazardous chemicals at both plants. IHDIV personnel also currently operate several duplicative and inefficient industrial waste systems that were installed only as temporary fixes to environmental contamination issues. The existing plants have several safety deficiencies such as lead and asbestos, operators in hazardous environment.

**IMPACT IF NOT PROVIDED:**

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00174 NAVAL SURFACE WARFARE DIV INDIAN HEAD INDIAN HEAD, MARYLAND			4.Project Title AGILE CHEMICAL FACILITY	
5.Program Element 0703676N	6.Category Code 22665	7.Project Number P161	8.Project Cost (\$000) 13,900	
<p>If this project is not provided, IHDIV will continue to marginally fulfill its mission to manufacture nitrate ester propellants and explosives for U.S. joint and Allied forces. IHDIV will also be affected by the following specific impacts:</p> <p>1.) The existing Moser and Biazzi manufacturing plants are beyond cost effective repair. The net present value of life-cycle upkeep of the status-quo deteriorating systems will cost \$36 million more than the net present value of the "new construction" alternative.</p> <p>2.) The deteriorated and antiquated Moser and Biazzi plants will continue to require an inordinate amount of IHDIV resources to maintain and operate, severely limiting the type and quantity of nitrate esters that IHDIV can produce, resulting in increased costs for propellants and explosives to U.S. joint and Allied forces.</p> <p>3.) IHDIV will be unable to improve workplace safety conditions by reducing the amount of detonable material in the process. IHDIV will also be unable to correct safety deficiencies.</p> <p>4.) IHDIV will be unable to reduce the amount of industrial wastewater generated from nitrate ester production. In addition, IHDIV will continue to treat industrial wastewater using duplicative, inefficient, and "temporary-fix" systems.</p> <p>5.) The quality of life in the workplace and associated personnel morale will remain low while operators dedicate their resources to conducting emergency repairs of equipment and facilities. In addition, IHDIV will be unable to demolish deteriorating buildings, many of which are contaminated with lead, asbestos, and nitrate ester product.</p>				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				012004
(C) Date Design Completed				092004
(D) Percent Completed as of	SEPTEMBER	2003		2%
(E) Percent Completed as of	JANUARY	2004		35%
(F) Type of Design Contract				Design Bid Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				N/A

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00174 NAVAL SURFACE WARFARE DIV INDIAN HEAD INDIAN HEAD, MARYLAND		4.Project Title AGILE CHEMICAL FACILITY		
5.Program Element 0703676N	6.Category Code 22665	7.Project Number P161	8.Project Cost (\$000) 13,900	
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$1,000
(A) Production of Plans and Specifications				\$750
(B) All other Design Costs				\$250
(C) Total				\$1,000
(D) Contract				\$625
(E) In-House				\$375
4. Contract Award				112004
5. Construction Start				122004
6. Construction Complete				042006
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>		<u>Cost</u>
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>		<u>(\$000)</u>
		<u>Or Requested</u>		
Process Equipment (2003)	NWCF	2005		\$1,700
Process Equipment (2004)	NWCF	2005		\$1,500
Process Equipment (2005)	NWCF	2005		\$2,000
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. The products produced by this facility can be used by other components, but the facility is being designed for and will be operated by Navy personnel.				
Activity POC: LCDR MARKO MEDVED			Phone No: (301)-744-4286	

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: N60478 ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY		4. Command Commander, Navy Region Northeast								
		5. Area Const Cost Index 1.21								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	90	1091	2115	0	0	0	1	0	0	3302
b. End FY 2008	55	478	2404	0	0	0	1	5	0	2943
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									0
c.	AUTHORIZATION NOT YET IN INVENTORY.....									0
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									49,200
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									47,680
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									0
g.	REMAINING DEFICIENCY .....									4,610
h.	<b>GRAND TOTAL .....</b>									<b>101,490</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
15120	GEN PURP BERTH PIER INC II				31602 m2	49200	11/2001	09/2003		
	TOTAL					49200				
9. Future Projects:										
a. Included In The Following Program:										
15120	GEN PURP BERTH PIER INCIII				0 LS	47680				
	TOTAL					47680				
b. Major Planned Next Three Years:										
None										
c. R&M Unfunded Requirement (\$000): 80,000										
10. Mission or Major Functions:										
To provide fleet operational services and infrastructure management to support combat logistic homeporting, ordnance functions and tenant activities and execution of national military strategy. Ordnance function includes: to receive, renovate, maintain, store, and issue ammunition, explosives, expendable ordnance items, weapons, and maintain basic and war reserve ammunition stocks. Station also acts as overseas ammunition transshipment point for Armed Forces.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N60478 ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY		4.Project Title GENERAL PURPOSE BERTHING PIER (INCREMENT II)	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P032A	8.Project Cost (\$000) Auth 0 Approp 49,200 Auth for Approp 49,200

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
GENERAL PURPOSE BERTHING PIER (INCREMENT II) (340,161 SF)	m2	31,602		72010
PIER 2 UPGRADES (94,249 SF)	m2	8,756	514.00	(4500)
CONSTRUCT NEW TRESTLE (106,778 SF)	m2	9,920	1,574.00	(15610)
CONSTRUCT NEW PIER (128,962 SF)	m2	11,981	3,759.25	(45040)
CONSTRUCT WYE AREA FOR NEW PIER (10,172 SF)	m2	945	3,644.00	(3440)
FINISH WYE AREA AFTER TRESTLE REMOVAL	LS			(1600)
TUG/BARGE BERTHS	LS			(1010)
TECHNICAL OPERATING MANUALS	LS			(810)
SUPPORTING FACILITIES				39150
ELECTRICAL UTILITIES	LS			(4050)
MECHANICAL UTILITIES	LS			(6260)
DEMOL PIER & TRESTLE 2	LS			(6990)
DEMOL PIER & TRESTLE 3	LS			(9320)
DISPOSAL CONTAMINATED DREDGE MATERIAL	LS			(2810)
DREDGING	LS			(8420)
MOBILIZE/DEMobilize	LS			(700)
REMOVE RIPRAP MATERIAL	LS			(600)
SUBTOTAL				111160
CONTINGENCY (5%)				5560
TOTAL CONTRACT COST				116720
SIOH (6%)				7000
SUBTOTAL				123720
LESS INCREMENTS I AND III FUNDING	LS			-74520
TOTAL REQUEST ROUNDED				49200
TOTAL REQUEST				49200
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(4600)

**10.Description of Proposed Construction**

The project scope is based on upgrading the Earle Pier Complex. This includes replacing deteriorated Piers and Trestles 2 and 3. These facilities were constructed in 1944 (over 57 years old) and have reached their physical and economical limits. The project is required to support the Naval Weapons Station (NWS) Earle mission of providing four homeport service berths for Fast Combat Support Ship (AOE) class ships. The unit cost includes the cost of the pier, a narrow double deck the full length of the pier, and extra structural support for the additional weight of the diesel train and cars. Construction of the project will include the following three increments:

INCREMENT I - Increment I will include mobilization; upgrading Pier 2 to provide

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N60478 ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY		4.Project Title GENERAL PURPOSE BERTHING PIER (INCREMENT II)		
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P032A	8.Project Cost (\$000) Auth 0 Approp 49,200 Auth for Approp 49,200	
<p>temporary berths during construction; demolition of existing Pier and Trestle 3; and dredging to -47' (14.33m) (approximately 455,425 cubic meters).</p> <p>INCREMENT II - Increment II will include mobilization; new trestle with steel or concrete piles and pile caps; new pier with steel or concrete piles and pile caps; concrete deck construction; finish wye area after Trestle 3 removal; and construct shore utilities.</p> <p>INCREMENT III - Increment III will include completing the new pier and trestle from the new concrete deck. Construction will include the following: utility galleries, railroad tracks, fender system, pier buildings, counter terrorism features (lighting, cameras and floating barrier), the construction of tug/barge berths, the completion of mechanical and electrical systems (including lightning protection and onshore utilities); and the demolition of Pier and Trestle 2.</p> <p>Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.</p>				
<p><b>11.Requirement:</b>                    <u>31602m2</u>                    <b>Adequate:</b>                    <u>0m2</u>                    <b>Substandard:</b>                    <u>0m2</u></p> <p><b>PROJECT:</b> This project constructs a replacement weapons loading/homeport pier and approach trestle. <b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b> The proposed project is required to support the NWS Earle requirement to provide two piers. Berths are required to support four AOE class ships, each with a maximum length of 243 meters. One berth is required for U. S. Navy ammunition ship loadout and three berths are required to support AOE class ships.</p> <p>The requirement is based on the Navy decision to reassign or relocate current homeported ships at NWS Earle. Prior to the decision, NWS Earle was the homeport for the following four AOE class ships: USS Seattle (AOE-3), USS Detroit (AOE-4), USS Supply (AOE-6), and USS Arctic (AOE-8). As a result of the Navy decision, the USS Seattle has shifted its homeport to Norfolk, Virginia (June 2001) and the USS Supply has transferred to the Military Sealift Command (Civilian crew) (July 2001). The USS Arctic will transfer to the Military Sealift Command over the next four years. These two ships will remain at Earle. The USS Detroit will remain a Navy ship and will continue to be homeported at</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N60478 ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY			4.Project Title GENERAL PURPOSE BERTHING PIER (INCREMENT II)	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P032A	8.Project Cost (\$000) Auth 0 Approp 49,200 Auth for Approp 49,200	
<p>Earle. As a result of the reassignment/relocation of the homeported ships, the AOE class requirement at NWS Earle remains at four berths. The total requirement is to provide 1,130 meters of berthing at two piers. An additional requirement is to provide four berths for small craft (Tug, Barges, Security Patrol Boats). Currently, at the Pier Complex, six small boats are utilized for oil pollution control, work around the pier and security patrols. In addition to the small boats, tugboats and work barges support the Pier Complex.</p> <p><b>CURRENT SITUATION:</b> Currently, the NWS Earle Pier Complex is comprised of the following three piers: Pier 2, Pier 3, and Pier 4 (Pier 1 serves as the temporary explosive truck holding yard at the Waterfront).</p> <p>Pier 2 (concrete deck on timber piles) provides one berth for homeporting and is dredged to -35 ft. Pier 2 was constructed in 1944 and is limited by the following restrictions: dredged depth restricts AOE berthing; structural restrictions: one AOE can be berthed on the West side with winds velocities up to 60 miles per hour (MPH) maximum, two AOE's - can be berthed with wind velocities up to 30 MPH maximum; Pier 2 requires platform modifications for ordnance loading; ordnance loading on Pier 2 is restricted due to pier length and existing pier building; Pier and Trestle 2 requires timber pile repairs; the railroad tracks on Pier 2 are in poor condition and are non-certified. Pier 2 requires new east side fenders/mooring dolphins; and Pier 2 has insufficient electrical connections on the east side. Structural testing and engineering analysis of the pier and trestle structure has identified significant areas of deterioration. The on-going process of structural degradation has prompted concern for the safety of operations on Pier and Trestle 2.</p> <p>Pier 3 (concrete deck on timber piles) provides two berths for ordnance loading and is dredged to -35 ft. Pier 3 was constructed in 1944 and is limited by the following restrictions: dredged depth restricts AOE berthing; Pier 3 utilities are limited to water and sewer only; all rail lines on the east side of Pier 3 are in poor condition and are shut down; Trestle 3 requires deck and rail repairs; timber pile repairs are required on Pier and Trestle 3; and Pier 3 requires a new fender system to support AOE class ships.</p> <p>Pier 4 (concrete deck on steel piles) provides 2 berths for homeporting or ordnance loading and is dredged to -47 ft. Pier 4 was constructed in 1990 and is not limited by restrictions.</p> <p><b>IMPACT IF NOT PROVIDED:</b></p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N60478 ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY		4.Project Title GENERAL PURPOSE BERTHING PIER (INCREMENT II)	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P032A	8.Project Cost (\$000) Auth 0 Approp 49,200 Auth for Approp 49,200
Continued use of existing Piers/Trestles 2 and 3 will eventually result in structural failures which will significantly affect and diminish NWS Earle's ability to perform its mission. These facilities are 57 years old and have reached their economic and designed life.			
<b>12.Supplemental Data:</b>			
A. Estimated Design			
1. Status:			
(A) Date Design Start			112001
(B) Date Design 35% Complete			012003
(C) Date Design Completed			092003
(D) Percent Completed as of SEPTEMBER 2003			100%
(E) Percent Completed as of JANUARY 2004			100%
(F) Type of Design Contract			Design Bid Build
(G) Parametric Estimate used to develop cost			Yes
(H) Energy study/Life cycle analysis performed			Yes
2. Basis:			
(A) Standard or Definitive Design:			No
(B) Where Design Was Most Recently Used:			N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :			\$947
(A) Production of Plans and Specifications			\$710
(B) All other Design Costs			\$237
(C) Total			\$947
(D) Contract			\$592
(E) In-House			\$355
4. Contract Award			112003
5. Construction Start			122003
6. Construction Complete			032007
B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>	<u>Cost</u>
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>Or Requested</u>
			<u>(\$000)</u>
OIL SPILL BARRIER BOOM	OPN	2006	\$2,900
SUBMARINE CAMEL	OPN	2006	\$1,700

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N60478 ATLANTIC ORDNANCE COMMAND DET EARLE COLTS NECK, NEW JERSEY		4.Project Title GENERAL PURPOSE BERTHING PIER (INCREMENT II)	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P032A	8.Project Cost (\$000) Auth 0 Approp 49,200 Auth for Approp 49,200
<p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.</p> <p>Activity POC: John Mahoney <span style="float: right;">Phone No: 732-866-2320</span></p>			

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: M67001 MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	4. Command Commandant, Marine Corps	5. Area Const Cost Index .96								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	354	1315	402	333	6891	0	2005	6891	3118	39257
b. End FY 2008	109	765	1623	126	4645	11	2466	29588	3189	42522
<b>7. INVENTORY DATA (\$000)</b>										
a. TOTAL ACREAGE .....( 1,913,287 Acres).....										
b. INVENTORY AS OF 30 Sep 2003 .....										18,440,368
c. AUTHORIZATION NOT YET IN INVENTORY.....										85,914
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....										6,420
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....										41,990
f. PLANNED IN NEXT THREE PROGRAM YEARS .....										252,283
g. REMAINING DEFICIENCY .....										438,324
<b>h. GRAND TOTAL .....</b>										<b>19,265,299</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
14345	ARMORY CAMP GEIGER				2096 m2	4010	08/2002	09/2004		
17955	COMBAT TRAINING POOL				963 m2	2410	08/2002	04/2005		
TOTAL						6420				
9. Future Projects:										
a. Included In The Following Program:										
21453	ASSAULT BREACHER VEH FAC				0 SF	5700				
72124	BACHELOR ENLISTED QUARTERS				0 LS	19690				
72124	US JOINT MARITIME BEQ				6375 M2	16600				
TOTAL						41990				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04																																																																																								
3.Installation and Location: M67001 MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA	4.Command Commandant, Marine Corps	5.Area Const Cost Index .96																																																																																								
<p>b.Major Planned Next Three Years:</p> <table border="0" style="width: 100%;"> <tr><td>14320</td><td>EOD OPERATIONAL FACILITY</td><td>0 LS</td><td>4060</td></tr> <tr><td>14345</td><td>ARMORIES (2D MEF)</td><td>0 LS</td><td>4063</td></tr> <tr><td>17110</td><td>CONSOL ACADEMIC BLDG (PH2)</td><td>0 LS</td><td>12406</td></tr> <tr><td>17110</td><td>ACADEMIC INSTRUCTION BLDG</td><td>84499 SF</td><td>13890</td></tr> <tr><td>21453</td><td>MAINT SHOP/UTIL PLATOON</td><td>570 M2</td><td>3953</td></tr> <tr><td>21453</td><td>MAINT SHOP/BULK FUEL CO</td><td>56140 SF</td><td>7300</td></tr> <tr><td>42122</td><td>ASP UPGRADES PH II</td><td>0 LS</td><td>5510</td></tr> <tr><td>44111</td><td>MATERIAL DISTRIBUTION CTR</td><td>0 LS</td><td>11410</td></tr> <tr><td>44112</td><td>4TH MEB OPERATIONS COMPLEX</td><td>0 LS</td><td>13040</td></tr> <tr><td>44112</td><td>ORGANIZATIONAL EQUIP STRG</td><td>3155 M2</td><td>4160</td></tr> <tr><td>61072</td><td>4TH MEB COMMAND CENTER</td><td>0 LS</td><td>7345</td></tr> <tr><td>61072</td><td>INTEL OPERATIONS CENTER</td><td>0 LS</td><td>12250</td></tr> <tr><td>72111</td><td>BEQ</td><td>0 LS</td><td>17190</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0 LS</td><td>13830</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0 LS</td><td>14940</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0 LS</td><td>14940</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0 LS</td><td>17410</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0 LS</td><td>32373</td></tr> <tr><td>72124</td><td>BACHELOR ENLISTED QUARTERS</td><td>0 PN</td><td>23320</td></tr> <tr><td>72210</td><td>ENLISTED DINING FACILITY</td><td>0 LS</td><td>9410</td></tr> <tr><td>72210</td><td>ENLISTED DINING FACILITY</td><td>4370 M2</td><td>9483</td></tr> <tr><td></td><td style="text-align: right;">TOTAL</td><td></td><td style="border-top: 1px solid black;">252283</td></tr> </table> <p>c.R&amp;M Unfunded Requirement (\$000): 81,310</p>			14320	EOD OPERATIONAL FACILITY	0 LS	4060	14345	ARMORIES (2D MEF)	0 LS	4063	17110	CONSOL ACADEMIC BLDG (PH2)	0 LS	12406	17110	ACADEMIC INSTRUCTION BLDG	84499 SF	13890	21453	MAINT SHOP/UTIL PLATOON	570 M2	3953	21453	MAINT SHOP/BULK FUEL CO	56140 SF	7300	42122	ASP UPGRADES PH II	0 LS	5510	44111	MATERIAL DISTRIBUTION CTR	0 LS	11410	44112	4TH MEB OPERATIONS COMPLEX	0 LS	13040	44112	ORGANIZATIONAL EQUIP STRG	3155 M2	4160	61072	4TH MEB COMMAND CENTER	0 LS	7345	61072	INTEL OPERATIONS CENTER	0 LS	12250	72111	BEQ	0 LS	17190	72124	BACHELOR ENLISTED QUARTERS	0 LS	13830	72124	BACHELOR ENLISTED QUARTERS	0 LS	14940	72124	BACHELOR ENLISTED QUARTERS	0 LS	14940	72124	BACHELOR ENLISTED QUARTERS	0 LS	17410	72124	BACHELOR ENLISTED QUARTERS	0 LS	32373	72124	BACHELOR ENLISTED QUARTERS	0 PN	23320	72210	ENLISTED DINING FACILITY	0 LS	9410	72210	ENLISTED DINING FACILITY	4370 M2	9483		TOTAL		252283
14320	EOD OPERATIONAL FACILITY	0 LS	4060																																																																																							
14345	ARMORIES (2D MEF)	0 LS	4063																																																																																							
17110	CONSOL ACADEMIC BLDG (PH2)	0 LS	12406																																																																																							
17110	ACADEMIC INSTRUCTION BLDG	84499 SF	13890																																																																																							
21453	MAINT SHOP/UTIL PLATOON	570 M2	3953																																																																																							
21453	MAINT SHOP/BULK FUEL CO	56140 SF	7300																																																																																							
42122	ASP UPGRADES PH II	0 LS	5510																																																																																							
44111	MATERIAL DISTRIBUTION CTR	0 LS	11410																																																																																							
44112	4TH MEB OPERATIONS COMPLEX	0 LS	13040																																																																																							
44112	ORGANIZATIONAL EQUIP STRG	3155 M2	4160																																																																																							
61072	4TH MEB COMMAND CENTER	0 LS	7345																																																																																							
61072	INTEL OPERATIONS CENTER	0 LS	12250																																																																																							
72111	BEQ	0 LS	17190																																																																																							
72124	BACHELOR ENLISTED QUARTERS	0 LS	13830																																																																																							
72124	BACHELOR ENLISTED QUARTERS	0 LS	14940																																																																																							
72124	BACHELOR ENLISTED QUARTERS	0 LS	14940																																																																																							
72124	BACHELOR ENLISTED QUARTERS	0 LS	17410																																																																																							
72124	BACHELOR ENLISTED QUARTERS	0 LS	32373																																																																																							
72124	BACHELOR ENLISTED QUARTERS	0 PN	23320																																																																																							
72210	ENLISTED DINING FACILITY	0 LS	9410																																																																																							
72210	ENLISTED DINING FACILITY	4370 M2	9483																																																																																							
	TOTAL		252283																																																																																							
<p>10. Mission or Major Functions:</p> <p>Provide housing, training facilities, logistics support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools for other training as directed.</p>																																																																																										
<p>11. Outstanding Pollution and Safety Deficiencies (\$000):</p> <p>a. Pollution Abatement(*): \$ 0</p> <p>b. Occupational Safety and Health (OSH) (#): \$ 0</p>																																																																																										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M67001 MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		4.Project Title COMBAT TRAINING POOL	
5.Program Element 0216496M	6.Category Code 17955	7.Project Number P1075	8.Project Cost (\$000) 2,410

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
COMBAT TRAINING POOL (10,366 SF)	m2	963		1740
COMBAT TRAINING POOL (10,366 SF)	m2	963	1,671.88	(1610)
BUILT-IN EQUIPMENT	LS			(80)
TECHNICAL OPERATING MANUALS	LS			(20)
INFORMATION SYSTEMS	LS			(10)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
SPECIAL COSTS	LS			(10)
SUPPORTING FACILITIES				350
SPECIAL CONSTRUCTION FEATURES	LS			(80)
SPECIAL FOUNDATION FEATURES	LS			(80)
ELECTRICAL UTILITIES	LS			(120)
MECHANICAL UTILITIES	LS			(50)
PAVING AND SITE IMPROVEMENTS	LS			(10)
ANTI-TERRORISM/FORCE PROTECTION	LS			(10)
SUBTOTAL				2090
CONTINGENCY (5%)				100
TOTAL CONTRACT COST				2190
SIOH (6%)				130
SUBTOTAL				2320
DESIGN/BUILD - DESIGN COST				80
TOTAL REQUEST ROUNDED				2400
TOTAL REQUEST				2410

**10.Description of Proposed Construction**

This project will construct a training facility consisting of an indoor pool, two classrooms with enclosed walkway, administrative space for a staff of 10, storage rooms to house spare panels and equipment, filtration and mechanical spaces, bleachers, male and female locker rooms, and public bathrooms. Electrical systems will include fire alarm, energy saving electronic monitoring and control system (EMCS), and information systems. Mechanical systems include plumbing, fire protection systems, and heating ventilation and air conditioning (HVAC). Supporting facilities work includes site and building utility connections (water, sanitary sewer, electrical, telephone, local area network (LAN), and cable television (CATV)). Site improvements include sidewalks and landscaping. Also included are Technical Operating Manuals and Anti-Terrorism/Force Protection features. Project will conform to the Base Exterior Architecture Plan (BEAP).

**11.Requirement:**                      963m2                      **Adequate:**                      m2                      **Substandard:**                      m2

**PROJECT:**

This facility is required to provide an adequate, year-round facility for training of SWET (Shallow Water Egress Training), IP/HABD (Interim Passenger Helicopter Aircrew Breathing Device), and Egress (dunker) skills.

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M67001 MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		4.Project Title COMBAT TRAINING POOL		
5.Program Element 0216496M	6.Category Code 17955	7.Project Number P1075	8.Project Cost (\$000) 2,410	
<b>(Current Mission)</b>				
<b>REQUIREMENT:</b> A training facility which includes an indoor pool, classrooms, and administrative space dedicated to the training of SWET, IP/HABD and Egress (dunker) skills and all Water Survival training under a consolidated program.				
<b>CURRENT SITUATION:</b> SWET and IP/HABD training is being conducted in the MCCS pool, Building 236. The facility is being shared with the general U.S. Marine Corps (USMC) community. Temporary classrooms across the street are used for the lecture and demonstration portions of this training. Modifications to the current MCCS pool necessary for installing the MAET would require extensive renovations to the existing pool (digging, removal of supporting underground structure, establishing a false floor under the decking, removal of a major portion of the dive platform, etc.). This would cause permanent modification to the facility and still require use of temporary classrooms that are insufficient to meet the additional student loads projected for the consolidated training program.				
<b>IMPACT IF NOT PROVIDED:</b> Without this training, Marines and Sailors will not have the knowledge or skills required for a safe escape during a helicopter, AAV (advanced amphibious assault vehicle), or LAV (light amphibious vehicle) water or land egress emergency situation. Marines and Sailors will not have the experience of accomplishing mandatory tasks in a highly stressful and disorienting crash-simulated environment.				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of	SEPTEMBER	2003		3%
(E) Percent Completed as of	JANUARY	2004		3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$240
(A) Production of Plans and Specifications				\$200
(B) All other Design Costs				\$40

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M67001 MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		4.Project Title COMBAT TRAINING POOL	
5.Program Element 0216496M	6.Category Code 17955	7.Project Number P1075	8.Project Cost (\$000) 2,410
(C) Total		\$240	
(D) Contract		\$40	
(E) In-House		\$200	
4. Contract Award		012005	
5. Construction Start		042005	
6. Construction Complete		042006	
B. Equipment associated with this project which will be provided from other appropriations: None			
JOINT USE CERTIFICATION: The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.			
Activity POC: Mr. John Caston		Phone No: DSN 751-1833	

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M67001 MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		4.Project Title ARMORY, CAMP GEIGER		
5.Program Element 0206496M	6.Category Code 14345	7.Project Number P1041	8.Project Cost (\$000) 4,010	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ARMORY, CAMP GEIGER (22,561 SF)	m2	2,096		2350
ARMORY (15,382 SF)	m2	1,429	1,289.11	(1840)
COVERED CLEANING AREA	m2	667	645.00	(430)
TECHNICAL OPERATING MANUALS	LS			(40)
INFORMATION SYSTEMS	LS			(40)
SUPPORTING FACILITIES				1250
SPECIAL CONSTRUCTION FEATURES	LS			(210)
ELECTRICAL UTILITIES	LS			(120)
MECHANICAL UTILITIES	LS			(170)
PAVING AND SITE IMPROVEMENTS	LS			(540)
DEMOLITION	LS			(110)
ENVIRONMENTAL MITIGATION	LS			(50)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
SUBTOTAL				3600
CONTINGENCY (5%)				180
TOTAL CONTRACT COST				3780
SIOH (6%)				230
SUBTOTAL				4010
TOTAL REQUEST ROUNDED				4010
TOTAL REQUEST				4010
<b>10.Description of Proposed Construction</b>				
<p>Construct a single-story reinforced concrete masonry unit (CMU) building with structural walls supported on spread footing, concrete slab on grade foundation, structural steel framing, CMU interior walls, and reinforced concrete roof with modified bituminous roofing. Construction also includes a Covered Cleaning Area (CCA) for the armory. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Special construction features include pile foundation. Electrical utilities include telephone, electrical, Intrusion Detection System (IDS), energy saving Electronic Monitoring and Control System (EMCS), and fire alarm. Mechanical utilities include compressed air, heating, ventilation and air conditioning (HVAC), dehumidification system, and fire protection system. Supporting facilities include site and building utility connections (water, telephone, electrical, sanitary and storm sewers, and Local Area Network (LAN)). Paving and site improvements include exterior site and building lighting, perimeter fencing and gates, roads, sidewalks, paved parking, storm water management, retention pond, earthwork, fill, grading, and landscaping. Project includes Technical Operating Manuals, Anti-Terrorism/Force Protection features, environmental mitigation and demolition of buildings TC 341 and TC 342.</p>				
<b>11.Requirement:</b>	<u>2096m2</u>	<b>Adequate:</b>	<u>m2</u>	<b>Substandard:</b> <u>m2</u>

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M67001 MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA		4.Project Title ARMORY, CAMP GEIGER		
5.Program Element 0206496M	6.Category Code 14345	7.Project Number P1041	8.Project Cost (\$000) 4,010	
<p><b>PROJECT:</b> Provide adequate armory facilities for Marine Corps units assigned to Camp Geiger. (Current Mission)</p> <p><b>REQUIREMENT:</b> Project is required to provide adequate armory facilities to control, secure, and maintain small arms and crew served weapons at Camp Geiger.</p> <p><b>CURRENT SITUATION:</b> Weapons are currently being stored in a building constructed in the 1970's. Due to the types of materials used during original construction and building design, it is not feasible to renovate this structure to meet current physical security design criteria. An engineering evaluation conducted by Naval Facilities Engineering Command has indicated that due to its structural integrity, this facility cannot be brought up to current armory criteria.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Weapons will continue to be maintained in a facility that does not meet required security standards.</p>				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				012004
(C) Date Design Completed				092004
(D) Percent Completed as of	SEPTEMBER	2003		2%
(E) Percent Completed as of	JANUARY	2004		35%
(F) Type of Design Contract			Design Bid Build	
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$288
(A) Production of Plans and Specifications				\$216
(B) All other Design Costs				\$72
(C) Total				\$288
(D) Contract				\$180
(E) In-House				\$108
4. Contract Award				112004
5. Construction Start				122004
6. Construction Complete				042006



1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: M62573 MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA		4. Command Commandant, Marine Corps								
		5. Area Const Cost Index .96								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	35	240	133	104	205	0	536	205	230	4808
b. End FY 2008	30	214	153	116	349	0	648	4448	357	6315
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									0
c.	AUTHORIZATION NOT YET IN INVENTORY.....									29,940
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									35,140
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									0
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									29,105
g.	REMAINING DEFICIENCY .....									18,678
h.	<b>GRAND TOTAL .....</b>									<b>112,863</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
17120	A/C MAINT TRAINING FAC				3716 m2	12090	08/2002	09/2004		
17135	SIMULATOR ADDITION				630 m2	2270	08/2002	04/2005		
72124	BACHELOR ENLISTED QUARTERS				9180 m2	20780	08/2002	04/2005		
TOTAL						35140				
9. Future Projects:										
a. Included In The Following Program:										
None										
b. Major Planned Next Three Years:										
21105	AIRCRAFT HANGAR				0 LS	11915				
72124	BACHELOR ENLISTED QUARTERS				0 LS	17190				
TOTAL						29105				
c. R&M Unfunded Requirement (\$000): 32,570										
10. Mission or Major Functions:										
Provides facilities, services, and material necessary to support major rotary wing elements of a Marine Aircraft Wing, including aircraft maintenance and air traffic control, operation and maintenance of outlying fields and confined area landing sites necessary for the operational training of helicopter air crews.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2. Date 02/18/04
3. Installation and Location/UIC: M62573 MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA		4. Project Title AIRCRAFT MAINTENANCE TRAINING FACILITY	
5. Program Element 0216456M	6. Category Code 17120	7. Project Number P648	8. Project Cost (\$000) 12,090

**9. COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost (\$000)
AIRCRAFT MAINTENANCE TRAINING FACILITY (39,999 SF)	m2	3,716		8640
AIRCRAFT MAINTENANCE FACILITY (39,999 SF)	m2	3,716	2,008.00	(7460)
BUILT-IN EQUIPMENT	LS			(860)
TECHNICAL OPERATING MANUALS	LS			(140)
INFORMATION SYSTEMS	LS			(90)
ANTI-TERRORISM/FORCE PROTECTION	LS			(90)
SUPPORTING FACILITIES				2220
SPECIAL FOUNDATION FEATURES	LS			(330)
ELECTRICAL UTILITIES	LS			(340)
MECHANICAL UTILITIES	LS			(640)
PAVING AND SITE IMPROVEMENTS	LS			(860)
SITE PREPARATIONS	LS			(50)
SUBTOTAL				10860
CONTINGENCY (5%)				540
TOTAL CONTRACT COST				11400
SIOH (6%)				680
SUBTOTAL				12080
TOTAL REQUEST ROUNDED				12080
TOTAL REQUEST				12090

**10. Description of Proposed Construction**

Construct a single-story concrete masonry unit (CMU) building on reinforced concrete slab on pile foundation with structural steel frame, exterior brick and masonry veneer, standing seam metal roof, and CMU interior walls. Project will include three reinforced concrete thrust pads to support each of the maintenance training devices. Construction will include classrooms, administration space, hydraulics/mechanical rooms, tool rooms, maintenance training areas, storage space, a composite repair lab, and a 35' high bay. Built-in equipment includes two monorail hoists and bridge cranes, a compressed air system, hangar area air conditioning, and one 400 hertz power converter. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Electrical systems include fire alarms, exterior site and building lighting, electrical distribution, information systems, telephone, and Electronic Monitoring and Control System (EMCS). Mechanical systems include plumbing, fire protection, and heating ventilation and air conditioning (HVAC). Supporting facilities work includes site and building utility connections (water, telephone, electrical, sanitary and storm sewers, natural gas, cable television, and Local Area Network (LAN)). Paving and site improvements include paved vehicle parking lot and roadways, sidewalks, fencing, grading, landscaping and storm water management. Special foundation features include Pile foundations. Also includes Technical Operating Manuals and Anti-Terrorism/Force

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M62573 MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA			4.Project Title AIRCRAFT MAINTENANCE TRAINING FACILITY	
5.Program Element 0216456M	6.Category Code 17120	7.Project Number P648	8.Project Cost (\$000) 12,090	
Protection features.				
<b>11.Requirement:</b> <u>3716m2</u> <b>Adequate:</b> <u>0m2</u> <b>Substandard:</b> <u>0m2</u> <b>PROJECT:</b> This project constructs an aviation maintenance training facility to house V-22 maintenance facility training devices and classrooms required to meet the student throughput numbers. <b>(Current Mission)</b>  <b>REQUIREMENT:</b> Highbay space outfitted with bridge cranes is required to support V-22 maintenance training. The V-22 maintenance facility is tasked with providing maintenance training to all Marine and Air Force V-22 maintenance personnel. Originally, two separate V-22 schoolhouses were planned, one on the East Coast and one on the West Coast. Now MCAS New River will be the only location providing V-22 maintenance training. By FY-2006 student throughput will be over 400 students per year. By 2010 the throughput will increase by more than 25 percent to over 550 students and will continue to increase until 2013 when the Marine Corps completes its transition to the V-22 Osprey.  <b>CURRENT SITUATION:</b> There is a shortage of hangar/highbay space to support V-22 maintenance training at MCAS New River. The existing V-22 maintenance training facility, AS-510, only contains enough square footage to house one full size V-22 maintenance training device, the Power Plants Training Article (PPTA), Mechanical Part Task Trainer (PTT), Airframes PTT, and Landing Gear PTT's. This project will house the CV Avionics Composite Maintenance Trainer (CMT), MV Avionics CMT, Mech CMT, and Airframes CMT.  <b>IMPACT IF NOT PROVIDED:</b> Without this project, Marine Unit New River will not be able to conduct a large portion of the required hands-on training because it will not be able to train at night or during inclement weather. Most of the complex training tasks, such as troubleshooting, can only be done on the CMTs or aircraft that are to be supported by this project. The amount of hands-on training in relation to the total course of instruction ranges from a low of approximately 47 percent for Avionics and over 52 percent for Mechanics, to a high of 73 percent for Airframes. Past experience shows that any significant degradation in maintenance training will adversely impact safety and operational readiness. Maintenance man-hours will not be as productive as possible and unwarranted replacement of costly aircraft parts and materials will occur. Safety related incidences would likely increase. In addition, V-22 maintenance training equipment will not be housed and protected from the heat, humidity, and salt air of the harsh coastal climate.				
<b>12.Supplemental Data:</b>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M62573 MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA			4.Project Title AIRCRAFT MAINTENANCE TRAINING FACILITY	
5.Program Element 0216456M	6.Category Code 17120	7.Project Number P648	8.Project Cost (\$000) 12,090	
<p>A. Estimated Design</p> <p>1. Status:</p> <p>(A) Date Design Start 082002</p> <p>(B) Date Design 35% Complete 012004</p> <p>(C) Date Design Completed 092004</p> <p>(D) Percent Completed as of SEPTEMBER 2003 2%</p> <p>(E) Percent Completed as of JANUARY 2004 35%</p> <p>(F) Type of Design Contract Design Bid Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy study/Life cycle analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$869</p> <p>(A) Production of Plans and Specifications \$652</p> <p>(B) All other Design Costs \$217</p> <p>(C) Total \$869</p> <p>(D) Contract \$543</p> <p>(E) In-House \$326</p> <p>4. Contract Award 112004</p> <p>5. Construction Start 122004</p> <p>6. Construction Complete 042006</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Marine Corps requirements.</p> <p>Activity POC: Randy Scott Phone No: 910-449-5402</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M62573 MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA		4.Project Title BACHELOR ENLISTED QUARTERS		
5.Program Element 0206496M	6.Category Code 72124	7.Project Number P630	8.Project Cost (\$000) 20,780	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BACHELOR ENLISTED QUARTERS (98,813 SF)	m2	9,180		14750
BEQ (98,813 SF)	m2	9,180	1,505.00	(13820)
BUILT-IN EQUIPMENT	LS			(160)
TECHNICAL OPERATING MANUALS	LS			(100)
INFORMATION SYSTEMS	LS			(180)
ANTI-TERRORISM/FORCE PROTECTION	LS			(490)
SUPPORTING FACILITIES				3270
SPECIAL CONSTRUCTION FEATURES	LS			(820)
ELECTRICAL UTILITIES	LS			(540)
MECHANICAL UTILITIES	LS			(390)
PAVING AND SITE IMPROVEMENTS	LS			(910)
SITE PREPARATIONS	LS			(310)
DEMOLITION	LS			(300)
SUBTOTAL				18020
CONTINGENCY (5%)				900
TOTAL CONTRACT COST				18920
SIOH (6%)				1140
SUBTOTAL				20060
DESIGN/BUILD - DESIGN COST				720
TOTAL REQUEST ROUNDED				20780
TOTAL REQUEST				20780
<b>10.Description of Proposed Construction</b>				
<p>Construct one multi-story building on pile foundation with reinforced concrete slab, structural steel framing, exterior brick and masonry veneer, interior concrete masonry unit (CMU) block walls, standing seam metal roof system to match adjacent buildings, providing 216 rooms with semi-private baths in the standard 2x0 room configuration. Community, and service core areas consist of laundry facilities, lounges, administrative offices, housekeeping areas and public restrooms. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Electrical systems include fire alarms, energy saving Electronic Monitoring and Control System (EMCS), and information systems. Mechanical systems include plumbing, fire protection systems, heating ventilation and air conditioning. Supporting facilities work includes site and building utility connections (water, sanitary and storm sewers, electrical, telephone, Local Area network (LAN), and cable television CATV)). Paving and site improvements include paved parking, sidewalks, multi-purpose rooms, outdoor recreation facilities/courts, roadways access, privately owned vehicle (POV) parking, earthwork, grading, and landscaping. Built-in equipment includes security cameras and a traction elevator. Also includes Technical Operating Manuals; Anti-Terrorism/Force Protection features, environmental mitigation, and demolition of building AS4010.</p>				



1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M62573 MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA		4.Project Title BACHELOR ENLISTED QUARTERS	
5.Program Element 0206496M	6.Category Code 72124	7.Project Number P630	8.Project Cost (\$000) 20,780
<p>(E) Percent Completed as of JANUARY 2004 3%</p> <p>(F) Type of Design Contract Design Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy study/Life cycle analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$580</p> <p>(A) Production of Plans and Specifications \$500</p> <p>(B) All other Design Costs \$80</p> <p>(C) Total \$580</p> <p>(D) Contract \$80</p> <p>(E) In-House \$500</p> <p>4. Contract Award 012005</p> <p>5. Construction Start 042005</p> <p>6. Construction Complete 042007</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>C. FY 2003 R&amp;M Conducted (\$000): \$1,286</p> <p>D. FY 2004 R&amp;M Conducted (\$000): \$0</p> <p>E. Future R&amp;M Requirements (\$000): \$20,864</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Marine Corps requirements.</p> <p>Activity POC: Randall Scott Phone No: 910-449-5402</p>			

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M62573 MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA		4.Project Title SIMULATOR ADDITION	
5.Program Element 0216496M	6.Category Code 17135	7.Project Number P617	8.Project Cost (\$000) 2,270

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
SIMULATOR ADDITION (6,781 SF)	m2	630		1490
OPERATIONAL TRAINER FACILITY ADDITION (6,781 SF)	m2	630	2,045.67	(1290)
BUILT-IN EQUIPMENT	LS			(80)
TECHNICAL OPERATING MANUALS	LS			(30)
INFORMATION SYSTEMS	LS			(20)
ANTI-TERRORISM/FORCE PROTECTION	LS			(70)
SUPPORTING FACILITIES				480
SPECIAL CONSTRUCTION FEATURES	LS			(70)
ELECTRICAL UTILITIES	LS			(130)
MECHANICAL UTILITIES	LS			(140)
PAVING AND SITE IMPROVEMENTS	LS			(140)
SUBTOTAL				1970
CONTINGENCY (5%)				100
TOTAL CONTRACT COST				2070
SIOH (6%)				120
SUBTOTAL				2190
DESIGN/BUILD - DESIGN COST				80
TOTAL REQUEST ROUNDED				2270
TOTAL REQUEST				2270
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(35000)

**10.Description of Proposed Construction**

Construct a multi-story concrete masonry unit (CMU) building on reinforced concrete slab and pile foundation, structural steel frame, exterior brick and masonry veneer, interior CMU walls and standing seam metal roof to provide an addition to the flight simulator training facility at Marine Corps Air Station (MCAS) New River, NC. Construction will include three reinforced concrete thrust pads to support the flight simulator. Facility will provide computer rooms, brief/debrief rooms, maintenance space, administrative space, storage space, and a 50' high bay trainer area. Built-in equipment includes one overhead crane. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Electrical systems include fire alarms, energy saving Electronic Monitoring and Control System (EMCS), and information systems. Mechanical systems include plumbing, fire protection systems, heating, ventilation and air conditioning, security entrance control, and CO2 suppression system in computer areas. Supporting facilities work includes site and building utility connections (water, natural gas, sanitary and storm sewers, electrical, telephone, and Local Area Network (LAN)). Paving and site improvements include exterior site and building lighting, security fencing, earthwork, grading and landscaping. Also includes Technical Operating Manuals and Anti-Terrorism/Force Protection features.

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M62573 MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA		4.Project Title SIMULATOR ADDITION		
5.Program Element 0216496M	6.Category Code 17135	7.Project Number P617	8.Project Cost (\$000) 2,270	
<b>11.Requirement:</b> <u>630m2</u> <b>Adequate:</b> <u>0m2</u> <b>Substandard:</b> <u>0m2</u> <b>PROJECT:</b> Provide adequate space for an additional V-22 Operational Full Flight Simulator (FFS), for joint service pilot training. <b>(Current Mission)</b>  <b>REQUIREMENT:</b> Provide adequate and efficiently configured operational flight training facility in support of two Marine Aircraft Groups (includes 12 operational squadrons), one Marine Wing Support Squadron, three Fleet Readiness Enlisted Skills Training Schools, two Fleet Replacement Squadrons, one Marine Air Control Squadron, and one Headquarters and Headquarters Squadron's current operations. This requires four high bay facilities capable of handling full motion training devices.  <b>CURRENT SITUATION:</b> There are currently three V-22 Operational Full Flight Simulators aboard MCAS, New River.  <b>IMPACT IF NOT PROVIDED:</b> If a fourth training simulator is not provided, training requirements across the V-22 community will be diminished. The current training facility will have to limit student throughout resulting in a shortage of trained V-22 personnel. Any limits imposed on flight training can result in direct, negative impacts on operations and potentially contribute to injury or loss of life and damage to/loss of equipment.				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of SEPTEMBER 2003				3%
(E) Percent Completed as of JANUARY 2004				3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$240
(A) Production of Plans and Specifications				\$200
(B) All other Design Costs				\$40

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M62573 MARINE CORPS AIR STATION NEW RIVER JACKSONVILLE, NORTH CAROLINA			4.Project Title SIMULATOR ADDITION	
5.Program Element 0216496M	6.Category Code 17135	7.Project Number P617	8.Project Cost (\$000) 2,270	
(C) Total				\$240
(D) Contract				\$40
(E) In-House				\$200
4. Contract Award				012005
5. Construction Start				042005
6. Construction Complete				042006
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>	<u>Appropriated</u>	<u>Cost</u>
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Or Requested</u>		<u>(\$000)</u>
Full Flight Simulator	OPN	2005		\$35,000
JOINT USE CERTIFICATION:				
The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Joint Use is recommended as pilots from the Marine Corps, Navy, and Air Force will be trained at this facility.				
Activity POC: Randy Scott			Phone No: (910) 449-5402	

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04								
3.Installation and Location: N61131 NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA		4.Command Commander, Navy Region Mid-Atlantic								
		5.Area Const Cost Index .87								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	0	0	0	0	0	0	0	0	0	0
b. End FY 2008	5	46	9	0	0	0	0	0	0	60
<b>7. INVENTORY DATA (\$000)</b>										
a. TOTAL ACREAGE .....	( Acres).....									
b. INVENTORY AS OF 30 Sep 2003 .....										0
c. AUTHORIZATION NOT YET IN INVENTORY.....										0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....										95,650
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....										70,000
f. PLANNED IN NEXT THREE PROGRAM YEARS .....										0
g. REMAINING DEFICIENCY .....										0
<b>h. GRAND TOTAL .....</b>										<b>165,650</b>
8. Projects Requested In This Program										
<u>Category</u>										
<u>Code</u>	<u>Project Title</u>		<u>Scope</u>	<u>Cost (\$000)</u>	<u>Design Status</u>					
					<u>Start</u>	<u>Complete</u>				
11110	OLF FACS (INC II)		0 LS	33900	06/2002	06/2004				
11110	OLF LAND ACQUISITION INC I		0 LS	61750	08/2002	04/2005				
TOTAL				95650						
9. Future Projects:										
a. Included In The Following Program:										
11110	OLF LAND ACQUISITION II		0 LS	70000						
TOTAL				70000						
b. Major Planned Next Three Years:										
None										
c. R&M Unfunded Requirement (\$000): 0										
10. Mission or Major Functions:										
Provide logistics and support functions for east coast tactical aircraft training operations.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N61131 NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA		4.Project Title OUTLYING LANDING FIELD (OLF) FACILITIES (INCR II)	
5.Program Element 0212176N	6.Category Code 11110	7.Project Number P689A	8.Project Cost (\$000) Auth 5,150 Approp 33,900 Auth for Approp 33,900

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
OUTLYING LANDING FIELD (OLF) FACILITIES (INCR II)	LS			38820
RUNWAY	LS			(18520)
APPROACH LIGHTING	EA	2	706,547.16	(1410)
SIMULATED CARRIER DECK LIGHTING	EA	2	606,715.25	(1210)
RUNWAY/TAXIWAY LIGHTING	EA	1	1,211,223.69	(1210)
LAND INTEREST ACQUISITION AND RELOCATION	AC	3,000	5,055.96	(15170)
TECHNICAL OPERATING MANUALS	LS			(100)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1200)
SUPPORTING FACILITIES				15100
ELECTRICAL UTILITIES	LS			(1800)
MECHANICAL UTILITIES	LS			(2100)
ENVIRONMENTAL MITIGATION	LS			(1300)
GRADING AND LANDSCAPING	LS			(1000)
ROADWAY AND PAVING	LS			(8400)
SITE IMPROVEMENTS	LS			(500)
SUBTOTAL				53920
CONTINGENCY (5%)				2700
TOTAL CONTRACT COST				56620
SIOH (6%)				3400
SUBTOTAL				60020
DESIGN/BUILD - DESIGN COST				1510
LESS INCREMENT I	LS			-27610
TOTAL REQUEST ROUNDED				33920
TOTAL REQUEST				33900

**10.Description of Proposed Construction**

Acquire interests in approximately 3000 acres of land for a new outlying landing field (OLF) and provide relocation assistance. Project also includes construction of a 2,440 m runway with appropriate clear zones, an aircraft parking apron, taxiway, runway and approach lights, runway overruns, simulated carrier deck lighting at each end of the runway, earthwork; clearing and grubbing; landscaping, signage, utilities, roads, parking, drainage, fencing, and Anti-Terrorism/Force Protection features. Sustainable principles will be integrated into the design development, and construction in accordance with Executive Order 13123 and other laws and executive orders. Technical operating manuals will be included.

**11.Requirement:**                    LS                    **Adequate:**                    LS                    **Substandard:**                    LS

**PROJECT:**

Acquire land interests and construct an outlying landing field (OLF).

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N61131 NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA			4.Project Title OUTLYING LANDING FIELD (OLF) FACILITIES (INCR II)	
5.Program Element 0212176N	6.Category Code 11110	7.Project Number P689A	8.Project Cost (\$000) Auth 5,150 Approp 33,900 Auth for Approp 33,900	
<b>(New Mission)</b>				
<b>REQUIREMENT:</b> The OLF will provide facilities and functions to support training and operation of the new F/A-18 E/F (Super Hornet). This includes required repetitive flight operations to support the Atlantic Fleet. One of the more important characteristics of an OLF training facility is for field carrier landing practice. This OLF will allow operations to be conducted away from the home facility thus improving flexibility of operations, improved quality of life and quality of service, and noise/population encroachment mitigation.				
<b>CURRENT SITUATION:</b> The Navy will site eight fleet squadrons and the fleet replacement squadron at Naval Air Station (NAS) Oceana and two fleet squadrons at Marine Corps Air Station (MCAS) Cherry Point, with an Outlying Landing Field (OLF) to be built in Washington County, NC. A new OLF is required to provide operational flexibility, improve the quality of life for Navy personnel and civilians, and most importantly, to meet surge requirements in support of the President's National Defense Strategy. The first Super Hornet Squadron should stand up at NAS Oceana in 2004 with the entire beddown complete by 2010.				
<b>IMPACT IF NOT PROVIDED:</b> Without the OLF there will be a negative impact on the squadrons' home field and training areas. The capability to complete the aircraft training curriculum between deployment cycles would be greatly diminished.				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				062002
(B) Date Design 35% Complete				122003
(C) Date Design Completed				062004
(D) Percent Completed as of	SEPTEMBER	2003		30%
(E) Percent Completed as of	JANUARY	2004		35%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				N/A

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N61131 NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA		4.Project Title OUTLYING LANDING FIELD (OLF) FACILITIES (INCR II)	
5.Program Element 0212176N	6.Category Code 11110	7.Project Number P689A	8.Project Cost (\$000) Auth 5,150 Approp 33,900 Auth for Approp 33,900
3. Total Cost (C) = (A) + (B) = (D) + (E) :			\$2,000
(A) Production of Plans and Specifications			\$1,500
(B) All other Design Costs			\$500
(C) Total			\$2,000
(D) Contract			\$1,500
(E) In-House			\$500
4. Contract Award			022004
5. Construction Start			032004
6. Construction Complete			062005
B. Equipment associated with this project which will be provided from other appropriations: None			
JOINT USE CERTIFICATION:			
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.			
Activity POC: Andy Porter		Phone No: 757-433-2226	

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N61131 NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA		4.Project Title OUTLYING LANDING FIELD (OLF) LAND ACQ (INCR I)	
5.Program Element 0212176N	6.Category Code 11110	7.Project Number P691	8.Project Cost (\$000) Auth 131,750 Approp 61,750 Auth for Approp 61,750

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
OUTLYING LANDING FIELD (OLF) LAND ACQ (INCR I)	LS			105630
NAVIGATIONAL AID (TACAN) (452 SF)	m2	42	1,355.15	(60)
AIRCRAFT ARRESTING GEAR INSTALLATION	EA	2	209,829.87	(420)
LAND ACQUISITION/RELOCATION/DEMOLITION	AC	30,000	3,326.67	(99800)
FUEL PUMP HOUSE/QC LAB (2,476 SF)	m2	230	1,025.07	(240)
OPS/AIRCRAFT FIRE & RESCUE/AIR TRAFFIC CONTROL (17,384 SF)	m2	1,615	2,361.17	(3810)
FIELD MAINTENANCE SHOP (2,400 SF)	m2	223	987.20	(220)
LSO/FUELER/GUARD SHACKS (1,001 SF)	m2	93	1,000.00	(90)
ENVIRONMENTAL PROTECTION CANOPIES (1,615 SF)	m2	150	500.00	(80)
ANTENNA SUPPORT TOWERS	EA	2	37,500.00	(80)
FIRE TRAINING AREA	LS			(280)
BUILT-IN EQUIPMENT	LS			(200)
TECHNICAL OPERATING MANUALS	LS			(200)
INFORMATION SYSTEMS	LS			(50)
ANTI-TERRORISM/FORCE PROTECTION	LS			(100)
SUPPORTING FACILITIES				12060
SPECIAL CONSTRUCTION FEATURES	LS			(210)
ELECTRICAL UTILITIES	LS			(2170)
MECHANICAL UTILITIES	LS			(860)
FUELING/DISTRIBUTION/BULK STORAGE	LS			(3170)
GRADING AND LANDSCAPING	LS			(980)
ROADWAY AND PAVING	LS			(1480)
SITE IMPROVEMENTS	LS			(3190)
SUBTOTAL				117690
CONTINGENCY (5%)				5880
TOTAL CONTRACT COST				123570
SIOH (6%)				7410
SUBTOTAL				130980
DESIGN/BUILD - DESIGN COST				780
LESS INCREMENT II FUNDING:	LS			-70000
TOTAL REQUEST ROUNDED				61760
TOTAL REQUEST				61750
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(7625)

**10.Description of Proposed Construction**

Acquire interests in approximately 30,000 acres of land and provide relocation assistance. Project includes concrete masonry unit construction of a consolidated Aircraft Rescue and Firefighting (ARFF) Station, Air Operations Facility and Aircraft

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N61131 NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA		4.Project Title OUTLYING LANDING FIELD (OLF) LAND ACQ (INCR I)	
5.Program Element 0212176N	6.Category Code 11110	7.Project Number P691	8.Project Cost (\$000) Auth 131,750 Approp 61,750 Auth for Approp 61,750

Traffic Control (ATC) Tower; two aircraft refueling hydrants and one vehicle refueling station with environmental protection measures, associated fuel storage, piping and dispensing equipment; a Fuel Pump house with Quality Control Laboratory; a Field Maintenance Building; a tactical air navigation (TACAN) Navigational Aid Building with integral antenna support tower; two 10 m2 (110 SF) Landing Signal Officer (LSO) shacks; a 15 m2 (160 SF) shed for aircraft refueling personnel; a 8 m2 (85 SF) guard shack at the complex entry control point; a 35 m2 (375 SF) fire pump shelter; a 15 m2 (160 SF) domestic water well pumphouse; a fire training area with environmental protection measures; airfield/flightline security fencing and hardened gates; underground domestic water and fire protection water distribution systems; an elevated water storage tank for fire protection; underground sanitary sewage collection, piping, septic tank(s) and drain field(s); roads, parking and sidewalk paving; electrical power distribution and site lighting; communication system distribution; two antenna support towers; earthwork, storm drainage, and installation of two sets of bi-directional arresting gear (government furnished contractor installed - GFCI). Built-in Equipment includes two TACAN towers. Special Construction Features include foundation piling for buildings. Anti-terrorism/force protection features to meet current standards will be included. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.

11.Requirement: LS Adequate: LS Substandard: LS

**PROJECT:**

Acquire land interests and construct facilities for an outlying landing field (OLF).  
(New Mission)

**REQUIREMENT:**

The OLF will provide facilities and functions to assist the basing and operation of a new F/A-18 E/F (Super Hornet). This includes required repetitive flight operations to support the Atlantic Fleet. One of the more important characteristics of an OLF training facility is for field carrier landing practice. This OLF will allow operations to be conducted away from the home facility thus improving flexibility of operations, improved quality of life and quality of service, and noise/population encroachment mitigation.

**CURRENT SITUATION:**

The Navy will site eight fleet squadrons and the fleet replacement squadron at Naval Air Station (NAS) Oceana and two fleet squadrons at Marine Corps Air Station (MCAS) Cherry Point, with an Outlying Landing Field (OLF) to be built in Washington County, NC. A new

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N61131 NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA			4.Project Title OUTLYING LANDING FIELD (OLF) LAND ACQ (INCR I)	
5.Program Element 0212176N	6.Category Code 11110	7.Project Number P691	8.Project Cost (\$000) Auth 131,750 Approp 61,750 Auth for Approp 61,750	
<p>OLF is required to provide operational flexibility, improve the quality of life for Navy personnel and civilians, and most importantly, to meet surge requirements in support of the President's National Defense Strategy. The first Super Hornet Squadron should stand up at NAS Oceana in 2004 with the entire beddown complete by 2010.</p> <p><b>IMPACT IF NOT PROVIDED:</b> In any basing scenario involving NAS Oceana and/or MCAS Cherry Point, failure to construct an OLF would adversely impact the Navy's ability to mobilize carrier-based forces quickly, safely, and efficiently in response to world situations. Without construction of the OLF, extensive and costly measures are required to ensure all aircrew are properly trained in the event of a surge requirement. These measures include increased operations and noise at existing airfields. Flying detachments to other airfields results in slower attainment of training requirements, additional temporary assigned duty (TAD) and fuel costs, and increased time away from home for service members. Operations at existing facilities are also interrupted by FCLP training.</p>				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of	SEPTEMBER	2003		3%
(E) Percent Completed as of	JANUARY	2004		3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$800
(A) Production of Plans and Specifications				\$500
(B) All other Design Costs				\$300
(C) Total				\$800
(D) Contract				\$700
(E) In-House				\$100

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N61131 NOLF WASHINGTON COUNTY NC PLYMOUTH, NORTH CAROLINA		4.Project Title OUTLYING LANDING FIELD (OLF) LAND ACQ (INCR I)		
5.Program Element 0212176N	6.Category Code 11110	7.Project Number P691	8.Project Cost (\$000) Auth 131,750 Approp 61,750 Auth for Approp 61,750	
4. Contract Award		122004		
5. Construction Start		032005		
6. Construction Complete		072007		
B. Equipment associated with this project which will be provided from other appropriations:				
<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>		<u>Cost</u>
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>		<u>(\$000)</u>
		<u>Or Requested</u>		
ARFF Apparatus (vehicles)	OPN	2006		\$2,375
ATC Communication Systems	OPN	2006		\$3,500
ARFF Station Communications	OPN	2006		\$400
IFLOLS Landing Systems (2)	OPN	2006		\$1,000
Intrusion Detection/CCTV	OPN	2006		\$350
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: Andy Porter - Activity Planner		Phone No: 757-433-2226		

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: M67391 MARINE CORPS CAMP ELMORE NORFOLK, VIRGINIA		4. Command Commandant, Marine Corps								
		5. Area Const Cost Index .94								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	114	222	36	0	0	0	0	0	0	372
b. End FY 2008	155	261	36	0	0	0	0	0	0	452
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									15,976
c.	AUTHORIZATION NOT YET IN INVENTORY.....									0
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									13,500
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									0
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									0
g.	REMAINING DEFICIENCY .....									28,530
h.	<b>GRAND TOTAL .....</b>									<b>58,006</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
61010	MARINE FORCE ATLANTIC CMD OPS				5197 m2	13500	08/2002	09/2004		
TOTAL						13500				
9. Future Projects:										
a. Included In The Following Program:										
None										
b. Major Planned Next Three Years:										
None										
c. R&M Unfunded Requirement (\$000):            2,340										
10. Mission or Major Functions:										
COMMARFORLANT, as the Marine Corps component commander for Commander, U. S. Joint Forces Command (Commander, USJFCOM), commands all U. S. Marine Corps Forces assigned to Commander, USJFCOM; advises Commander, USJFCOM on the proper employment and support of the U. S. Marine Corps Forces; directs deployment planning and execution of assigned/attached U.S. Marine Corps Forces; exercises Training and Readiness Oversight (TRO) over selected Marine Corps Reserve (SMCR) units assigned to Commander, USJFCOM; and accomplishes assigned operational mission.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M67391 MARINE CORPS CAMP ELMORE NORFOLK, VIRGINIA		4.Project Title MARINE FORCE ATLANTIC COMMAND OPERATIONS FACILITY		
5.Program Element 0206496M	6.Category Code 61070	7.Project Number P820	8.Project Cost (\$000) 13,500	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MARINE FORCE ATLANTIC COMMAND OPERATIONS FACILITY (55,940 SF)	m2	5,197		9780
ADMINISTRATIVE OFFICE (54,541 SF)	m2	5,067	1,775.82	(9000)
ACADEMIC INSTRUCTION (1,399 SF)	m2	130	1,907.41	(250)
BUILT-IN EQUIPMENT	LS			(110)
TECHNICAL OPERATING MANUALS	LS			(190)
INFORMATION SYSTEMS	LS			(130)
ANTI-TERRORISM/FORCE PROTECTION	LS			(100)
SUPPORTING FACILITIES				2350
SPECIAL FOUNDATION FEATURES	LS			(440)
ELECTRICAL UTILITIES	LS			(460)
MECHANICAL UTILITIES	LS			(110)
SITE IMPROVEMENTS	LS			(770)
STORM WATER MANAGEMENT	LS			(390)
UTILITIES DEMOLITION	LS			(180)
SUBTOTAL				12130
CONTINGENCY (5%)				610
TOTAL CONTRACT COST				12740
SIOH (6%)				760
SUBTOTAL				13500
TOTAL REQUEST ROUNDED				13500
TOTAL REQUEST				13500
<b>10.Description of Proposed Construction</b>				
<p>Construct a multi-story reinforced concrete masonry unit (CMU) building with a reinforced concrete slab on pile foundation and brick/precast concrete exterior for use as the Marine Forces Atlantic (MARFORLANT) command operations facility. Construction includes entrance canopy, administrative areas, Special Compartmented Intelligence Facility (SCIF), classroom space, data processing areas, administrative storage space, emergency generator, freight/passenger elevator, and raised flooring. The building will be designed and constructed to meet the Uniform Federal Accessibility Standards for accessibility and use by the physically challenged. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Built-in equipment includes an emergency generator, built-in library shelving, and raised computer floors. Electrical systems include fire alarms, exterior site and building lighting, information systems, telephone, and energy saving Electronic Monitoring and Control System (EMCS). Mechanical systems include plumbing, wet-pipe sprinkler system, under floor carbon dioxide fire suppression, heating, ventilation and air conditioning, uninterruptible power supply (UPS) system, and emergency generator. Supporting facilities work includes site and building utility connections (water, natural gas, sanitary and storm sewers,</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M67391 MARINE CORPS CAMP ELMORE NORFOLK, VIRGINIA		4.Project Title MARINE FORCE ATLANTIC COMMAND OPERATIONS FACILITY		
5.Program Element 0206496M	6.Category Code 61070	7.Project Number P820	8.Project Cost (\$000) 13,500	
electrical, telephone, and Local Area Network (LAN)). Paving and site improvements include paved parking, modification to existing roads, new roads and driveways, sidewalks, earthwork, grading and landscaping. Also includes Technical Operating Manuals, Anti-Terrorism/Force Protection (AT/FP) features, demolition of existing utilities features, and environmental mitigation.				
<b>11.Requirement:</b> <u>5197m2</u> <b>Adequate:</b> <u>0m2</u> <b>Substandard:</b> <u>0m2</u> <b>PROJECT:</b> This project constructs a MARFORLANT Command Operations Facility at Naval Support Activity, Norfolk. <b>(Current Mission)</b>  <b>REQUIREMENT:</b> MARFORLANT requires a consolidated, adequate, and efficiently configured command headquarters, administrative and other support facilities to perform command and control operations. The command requires adequate space and AT/FP features for 338 personnel to perform their mission. A consolidated site is required to allow management and site design of proper AT/FP set-backs within limited and constrained available real estate. This project is in conjunction with the Naval Support Activity (NSA) Recapitalization and Implementation Plan.  <b>CURRENT SITUATION:</b> MARFORLANT is currently located in four separate facilities located approximately one mile apart. The main facility on the compound is comprised of two buildings constructed in 1945 as a World War II Naval Hospital. The facility's configuration (wide halls, room sizes, and doorway locations) is not conducive to efficient office space utilization, and the power system is inadequate for the increasingly large number of computers and communications equipment used by the command. The two satellite facilities (CA-495, an open-bay pre-engineered building built in 1978 and CA-486, an old Correctional Custody Unit built in the 1970s) are inadequate, and their remote location from the main facility hampers operations. These facilities are not in compliance with Department of Defense AT/FP construction and standoff requirements.  <b>IMPACT IF NOT PROVIDED:</b> If a new headquarters building which consolidates all functions into a single facility is not provided, the various headquarter sections, departments and directorates of the MARFORLANT command element will remain scattered among mutiple, inadequate facilities. Personnel will continue to work in inadequate spaces and the quality of life of the people working in the existing buildings will continue to be affected, further impacting the efficiency of their operations, and making it difficult to acquire and retain qualified personnel. The absence of required AT/FP features and security measures in this poorly designed compound present risks to personnel and related command and control				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M67391 MARINE CORPS CAMP ELMORE NORFOLK, VIRGINIA		4.Project Title MARINE FORCE ATLANTIC COMMAND OPERATIONS FACILITY		
5.Program Element 0206496M	6.Category Code 61070	7.Project Number P820	8.Project Cost (\$000) 13,500	
<p>infrastructure, and poses a threat to the command.</p>				

**12.Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	082002
(B) Date Design 35% Complete	012004
(C) Date Design Completed	092004
(D) Percent Completed as of SEPTEMBER 2003	2%
(E) Percent Completed as of JANUARY 2004	35%
(F) Type of Design Contract	Design Bid Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design:	No
(B) Where Design Was Most Recently Used:	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :	\$970
(A) Production of Plans and Specifications	\$728
(B) All other Design Costs	\$242
(C) Total	\$970
(D) Contract	\$606
(E) In-House	\$364

4. Contract Award	112004
5. Construction Start	122004
6. Construction Complete	122006

B. Equipment associated with this project which will be provided from other appropriations: None

**JOINT USE CERTIFICATION:**

The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Marine Corps requirements.

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M67391 MARINE CORPS CAMP ELMORE NORFOLK, VIRGINIA		4.Project Title MARINE FORCE ATLANTIC COMMAND OPERATIONS FACILITY	
5.Program Element 0206496M	6.Category Code 61070	7.Project Number P820	8.Project Cost (\$000) 13,500
<p>Activity POC: Mr. Bill Barnett <span style="float: right;">Phone No: DSN 836-1728</span></p>			

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04
----------------------	--	---------------------

3. Installation and Location: N61414 NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA	4. Command Commander, Navy Region Mid-Atlantic	5. Area Const Cost Index .94
---	---	------------------------------------

6. Personnel										
	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	1004	7279	1074	0	482	0	198	482	0	10492
b. End FY 2008	943	7139	1122	0	588	0	198	455	0	10445

<b>7. INVENTORY DATA (\$000)</b>	
a. TOTAL ACREAGE .....( 16,535 Acres).....	
b. INVENTORY AS OF 30 Sep 2003 .....	1,644,932
c. AUTHORIZATION NOT YET IN INVENTORY.....	25,365
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....	2,850
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....	36,080
f. PLANNED IN NEXT THREE PROGRAM YEARS .....	57,520
g. REMAINING DEFICIENCY .....	162,168
<b>h. GRAND TOTAL .....</b>	<b>1,928,915</b>

8. Projects Requested In This Program				
<u>Category</u>			<u>Cost</u>	<u>Design Status</u>
<u>Code</u>	<u>Project Title</u>	<u>Scope</u>	<u>(\$000)</u>	<u>Start</u> <u>Complete</u>
87210	GATE 5 SECURITY IMPROVS	0 LS	2850	08/2002   09/2004
	TOTAL		2850	
9. Future Projects:				
a. Included In The Following Program:				
15520	REPL PIERS 44-51 & ADJ QW	439 MB	32490	
87210	PERIMETER SECURITY FENCE	18860 M2	3590	
	TOTAL		36080	
b. Major Planned Next Three Years:				
14341	MOB DIVING SALVGE UNT OPS	4593 M2	12040	
15120	PIERS 14 & 15 REPLACEMENT	0 MB	23400	
21358	BOAT REPAIR FACILITY	1920 M2	4200	
61072	BATTLN SQUADRN HQ (MARCOR)	2196 M2	8670	
73020	POLICE & SEC OPRS FAC	3597 M2	7340	
87210	SECURTY/PERIMTR FENCE/WALL	0 LS	1870	
	TOTAL		57520	
c. R&M Unfunded Requirement (\$000):		141,000		

10. Mission or Major Functions:

Serves as the east coast operational base for amphibious ships and units of the Atlantic Fleet Surface Force. Furnish homeport berthing, training, maintenance, personnel and support services. Support annual training exercises. Support Amphibious Assault Ships, Amphibious Construction Battalion, Special Warfare Group Two, Amphibious School Beach Group Two, Service Squadron Eight, Explosive Ordnance Disposal Group Two.

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04
3.Installation and Location: N61414 NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA	4.Command Commander, Navy Region Mid-Atlantic	5.Area Const Cost Index .94
11. Outstanding Pollution and Safety Deficiencies (\$000): a. Pollution Abatement(*): \$ 0 b. Occupational Safety and Health (OSH) (#): \$ 0		

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N61414 NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA		4.Project Title GATE 5 SECURITY IMPROVEMENTS - CT	
5.Program Element 0203476N	6.Category Code 87210	7.Project Number P541	8.Project Cost (\$000) 2,850

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
GATE 5 SECURITY IMPROVEMENTS - CT	LS			1850
GUARD HOUSE (474 SF)	m2	44	6,300.00	(280)
ACTIVE VEHICLE BARRIER	EA	6	88,000.00	(530)
ELEVATED CONTROL LANE ISLAND W/BULLNOSE	EA	2	8,250.00	(20)
GUARD HOUSE CANOPY	m2	418	1,295.00	(540)
PASSIVE VEHICLE BARRIER	m	626	350.00	(220)
SECURITY FENCING	m	250	271.68	(70)
SINGLE FIRING POSITION/SHELTER	EA	1	53,000.00	(50)
VEHICLE INSPECTOR & POV OCCUPANT SHELTER	EA	1	14,000.00	(10)
BUILT-IN EQUIPMENT	LS			(120)
TECHNICAL OPERATING MANUALS	LS			(10)
SUPPORTING FACILITIES				710
ELECTRICAL UTILITIES	LS			(120)
MECHANICAL UTILITIES	LS			(80)
PAVING AND SITE IMPROVEMENTS	LS			(380)
SITE PREPARATIONS	LS			(100)
DEMOLITION	LS			(30)
SUBTOTAL				2560
CONTINGENCY (5%)				130
TOTAL CONTRACT COST				2690
SIOH (6%)				160
SUBTOTAL				2850
TOTAL REQUEST ROUNDED				2850
TOTAL REQUEST				2850
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(95)

**10.Description of Proposed Construction**

Project will install the Combating Terrorism (CT) measures at Gate 5 at Naval Amphibious Base (NAB) Little Creek to provide the proper Anti-Terrorism/Force Protection (AT/FP) measures required to meet security requirements and terrorist threats. The project will replace the existing gate structure; install cable-reinforced security fencing with concrete anchors surrounding the revised gate location; demolish the old guardhouse; construct a hardened guardhouse with head facilities, intrusion detection system (IDS), closed circuit television (CCTV), local area network (LAN), and base-wide duress alarm system; provide pump station to accommodate new head facilities; construct a guard house canopy with security lighting and signage; upgrade the surrounding site lighting; provide two elevated control lane islands with bullnose protection, permanent passive barriers from gate to active vehicle barriers, active vehicle barriers (six total) located in both inbound and outbound lanes, raised traffic median, elevated firing position, and an inspection and rejection area for privately owned vehicles (POVs) to include a vehicle inspector and shelter for POV occupants to wait during vehicle inspections; relocate the signal pole to a raised median located at the entrance of Gate 5; construct a third lane entering and exiting Gate 5; and demolish and relocate the



1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04	
3.Installation and Location/UIC: N61414 NAVAL AMPHIBIOUS BASE LITTLE CREEK NORFOLK, VIRGINIA		4.Project Title GATE 5 SECURITY IMPROVEMENTS - CT	
5.Program Element 0203476N	6.Category Code 87210	7.Project Number P541	
8.Project Cost (\$000) 2,850			
<p>arrive at Gate 5. To reroute the trucks, guards must stop all traffic, inbound and outbound, pull the truck up into the trees to allow for more room to back up, and then have the driver drive across the median to the outbound lanes. This creates severe traffic back-ups, especially during the already congested rush hours.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Gate 5 at NAB Little Creek will remain an easy target for terrorists to breach security with a car bomb or other forms of weapons.</p>			
<b>12.Supplemental Data:</b>			
A. Estimated Design			
1. Status:			
(A) Date Design Start		082002	
(B) Date Design 35% Complete		012004	
(C) Date Design Completed		092004	
(D) Percent Completed as of SEPTEMBER 2003		5%	
(E) Percent Completed as of JANUARY 2004		35%	
(F) Type of Design Contract		Design Bid Build	
(G) Parametric Estimate used to develop cost		Yes	
(H) Energy study/Life cycle analysis performed		Yes	
2. Basis:			
(A) Standard or Definitive Design:		No	
(B) Where Design Was Most Recently Used:		N/A	
3. Total Cost (C) = (A) + (B) = (D) + (E) :		\$205	
(A) Production of Plans and Specifications		\$154	
(B) All other Design Costs		\$51	
(C) Total		\$205	
(D) Contract		\$128	
(E) In-House		\$77	
4. Contract Award		112004	
5. Construction Start		122004	
6. Construction Complete		122005	
B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>	<u>Cost</u>
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u> <u>Or Requested</u>	<u>(\$000)</u>
Cameras	OPN	2005	\$20
Digital Recorder	OPN	2005	\$45
Duress Alarm	OPN	2005	\$5
MUX and Controller	OPN	2005	\$20



1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: N62688 NAVAL STATION NORFOLK, VIRGINIA	4. Command Commander, Navy Region Mid-Atlantic	5. Area Const Cost Index .94								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	4460	47794	7308	0	1	0	320	1	0	60574
b. End FY 2008	4291	45527	7349	0	1	0	320	691	0	58179
<b>7. INVENTORY DATA (\$000)</b>										
a. TOTAL ACREAGE	.....( 34,495 Acres).....									
b. INVENTORY AS OF 30 Sep 2003										5,494,971
c. AUTHORIZATION NOT YET IN INVENTORY										264,984
d. AUTHORIZATION REQUESTED IN THIS PROGRAM										44,330
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										49,500
f. PLANNED IN NEXT THREE PROGRAM YEARS										327,220
g. REMAINING DEFICIENCY										831,262
<b>h. GRAND TOTAL</b>										<b>7,012,267</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
15120	PIER 11 REPLACEMENT INC II				27328 m2	40000	11/2001	09/2003		
87210	GATE 5 SECURITY IMPROVS				0 LS	4330	08/2002	09/2004		
TOTAL						44330				
9. Future Projects:										
a. Included In The Following Program:										
11320	AIRFIELD RECAP-LP APRON				38612 M2	8150				
15120	PIER 11 REPLACEMNT INC III				869 MB	41350				
TOTAL						49500				
b. Major Planned Next Three Years:										
14112	CARGO TERMINAL FAC INC I				70316 M2	69370				
15120	PIER 11 REPLACEMNT INC IV				869 MB	37800				
15120	PIER 15 INCR I				1204 MB	40000				
15120	PIER 10 REPLACEMENT				12796 M2	41700				
15120	PIER 15 INCR II				1204 MB	39400				
15120	PIER 3 REPLACEMENT				1 MB	45900				
15120	UPGR DEPERMING SLIP SENSRS				0 LS	25400				
42172	CHAMBERS FIELD MAGAZINE				902 M2	3340				
73020	SECURITY OPS CENTER				1989 M2	8000				
87210	EXCH/COM COMPOUND GATES				0 LS	6000				
87210	GATE 4 SECURITY IMPROVS				0 LS	1610				
87210	GATE 1 SECURITY IMPROVS				19 M2	1390				
87210	GATE 22 SECURITY IMPROVS				0 LS	2170				
87210	GATE 3 SECURITY IMPROVMNTS				0 LS	1640				
87210	NEW VA AVE GATE SECY IMPRV				0 LS	3500				
TOTAL						327220				
c. R&M Unfunded Requirement (\$000):					1,552,000					
10. Mission or Major Functions:										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location: N62688 NAVAL STATION NORFOLK, VIRGINIA	4.Command Commander, Navy Region Mid-Atlantic	5.Area Const Cost Index .94	
<p>Naval Station, Norfolk functions as the primary operating base of the Atlantic Fleet. It provides port and airfield services, extensive facilities to support the many functions performed on the base, and the full range of services needed to enhance the quality of service and quality of life of military personnel and their families. Naval Station, Norfolk is homeport to over 80 ships, including five aircraft carriers, surface escorts and other combatants, logistics support ships, and attack submarines. It also maintains 15 fixed-wing and helicopter squadrons, a contract Fleet Readiness Squadron (FRS) for C-12, and air cargo and air passenger terminals. In addition, the airfield hosts transport aircraft (C-9, C-5, C-130, B-757, DC-8, DC-5, L1011).</p>			
<p>11. Outstanding Pollution and Safety Deficiencies (\$000):</p> <p>a. Pollution Abatement(*): \$ 0</p> <p>b. Occupational Safety and Health (OSH) (#): \$ 0</p>			

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA		4.Project Title GATE 5 SECURITY IMPROVEMENTS (CT)	
5.Program Element 0203476N	6.Category Code 87210	7.Project Number P611	8.Project Cost (\$000) 4,330

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
GATE 5 SECURITY IMPROVEMENTS (CT)	LS			1880
GUARD HOUSE (474 SF)	m2	44	6,299.71	(280)
ACTIVE VEHICLE BARRIER	EA	6	88,000.00	(530)
ELEVATED CONTROL LANE ISLAND W/BULLNOSE	EA	4	8,250.00	(30)
GUARD HOUSE CANOPY	m2	446	1,295.00	(580)
PASSIVE VEHICLE BARRIER	LS			(250)
SENTRY BOOTH	LS			(20)
SINGLE FIRING POSITION/SHELTER	EA	1	53,000.00	(50)
VEHICLE INSPECTOR & POV OCCUPANT SHELTER	EA	1	14,000.00	(10)
BUILT-IN EQUIPMENT	LS			(120)
TECHNICAL OPERATING MANUALS	LS			(10)
SUPPORTING FACILITIES				2010
ELECTRICAL UTILITIES	LS			(130)
MECHANICAL UTILITIES	LS			(700)
PAVING AND SITE IMPROVEMENTS	LS			(900)
SITE PREPARATIONS	LS			(210)
DEMOLITION	LS			(70)
SUBTOTAL				3890
CONTINGENCY (5%)				190
TOTAL CONTRACT COST				4080
SIOH (6%)				240
SUBTOTAL				4320
TOTAL REQUEST ROUNDED				4320
TOTAL REQUEST				4330
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(89)

**10.Description of Proposed Construction**

Project will upgrade/relocate Gate 5 located at Naval Station Norfolk. These upgrades/relocation will provide the proper Combating Terrorism (CT) measures required for current security and terrorist threats. Construction will consist of the following: six security gates; cable reinforced ornamental security fencing with concrete anchors; removal of guard house; hardened guard house with head facilities, intrusion detection system (IDS), closed circuit television (CCTV), local area network (LAN), and basewide alarm duress system; pump station to accommodate new guard house head facilities; guard house canopy with security lighting and signage including directional lighting; electronic billboards located both eastbound and westbound; four elevated control lane island with bullnose protection; site lighting; inspection/pull-off lane for privately owned vehicles (POVs); demolish a portion of existing Building #CEP 151 to provide room for the POV inspection area; rejected truck turnaround; permanent passive barriers from gate to active vehicle barriers; six active vehicle barriers located in both inbound and outbound lanes; raised traffic median; elevated firing position; provide four inbound lanes and two outbound lanes of traffic from the intersection of First Street to the intersection of Hampton Blvd.; demolish a portion of existing Building #CEP 151 to

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA		4.Project Title GATE 5 SECURITY IMPROVEMENTS (CT)		
5.Program Element 0203476N	6.Category Code 87210	7.Project Number P611	8.Project Cost (\$000) 4,330	
<p>provide room for a POV inspection area; provide new back entrance for Building #CEP 177 to Main Gate to allow for controlled access to perform inspections of tour buses before they enter the base without blocking the inbound traffic flow; hardened back-up generator; signalization at First Street intersection with manual controls available in guard house; relocate steam line and utilities at First Street intersection; and sidewalks on both the inbound and outbound sides. Gate will be located at installation perimeter to allow the base to be closed.</p> <p>This project provides CT features and enhancements, including vehicle barriers, guard facilities, lighting, and other related features at one installation perimeter entrance location.</p>				
<p><b>11.Requirement:</b>                      <u>LS</u>                      <b>Adequate:</b>                      <u>LS</u>                      <b>Substandard:</b>                      <u>LS</u></p> <p><b>PROJECT:</b> Project constructs required CT measures at Gate 5 at NAVSTA. <b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b> The gates/guard stations are the installation's first line of defense against terrorist attacks. The major threat at NAVSTA is a vehicle, with an explosive device or some other form of weapon, breaching the base's perimeter security. This vehicle could reach some of the vital piers within minutes. Security barriers are required to stop unauthorized vehicles from entering the station during increased threat conditions.</p> <p>Naval Station Norfolk is part of the world's largest naval complex and is the primary homeport of the US Atlantic Fleet. The complex includes Naval Station Norfolk, Naval Support Activity CINCLANTFLT, and the Lafayette River Complex. Naval Station Norfolk includes Chambers Field (previously NAS Norfolk), Fleet Industrial Supply Center, Public Works Center Norfolk, Fleet Training Center, and numerous other tenants as a result of Installation Claimant consolidation in 1999. Naval Station Norfolk's mission is to support and improve the personnel and logistics readiness of the US Atlantic Fleet. Naval Station Norfolk will provide seaport, airport, and squadron facilities, quality of life, and personnel management services with focus on the highest quality response to our customer's needs. Our commitment will be to safety, integrity, and continuous improvement.</p> <p><b>CURRENT SITUATION:</b> The activities assigned to the Naval Station make it a prime target for terrorist attacks.</p> <p>Gate 5 is the main truck entrance for NAVSTA with insufficient stacking distance. On a typical day accounting for deployments, approximately 3,021 vehicles use this gate with</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA		4.Project Title GATE 5 SECURITY IMPROVEMENTS (CT)		
5.Program Element 0203476N	6.Category Code 87210	7.Project Number P611	8.Project Cost (\$000) 4,330	
<p>155 of those being trucks during morning peak hours. This results in a maximum observed/estimated queue of 750 vehicles with a 36 minute wait, utilizing five i.d. checkers and three lanes (Michael Baker Corporation, Parking and Traffic Study: Naval Region Mid-Atlantic: Hampton Roads Norfolk, Virginia, 29 January 2002.). This gate lacks the proper CT measures to handle this type of traffic flow including a hardened guard house and active and permanent passive barriers. At higher FPCONs NAVSTA uses "Jersey barriers" in a serpentine configuration to slow down incoming traffic, which is limited to one lane. The process of placing these temporary barriers at perimeter gates can hamper security efforts and takes an inordinate amount of time when the FPCON is rapidly increasing.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Gate 5 at NAVSTA will remain an easy target for terrorists to breach perimeter security with a car bomb or other forms of weapons.</p>				

**12. Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	082002
(B) Date Design 35% Complete	012004
(C) Date Design Completed	092004
(D) Percent Completed as of SEPTEMBER 2003	2%
(E) Percent Completed as of JANUARY 2004	35%
(F) Type of Design Contract	Design Bid Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design:	No
(B) Where Design Was Most Recently Used:	N/A

3. Total Cost (C) = (A) + (B) = (D) + (E) : \$311

(A) Production of Plans and Specifications	\$233
(B) All other Design Costs	\$78
(C) Total	\$311
(D) Contract	\$195
(E) In-House	\$116

4. Contract Award 112004

5. Construction Start 122004

6. Construction Complete 122005

B. Equipment associated with this project which will be provided from other appropriations:

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA		4.Project Title GATE 5 SECURITY IMPROVEMENTS (CT)		
5.Program Element 0203476N	6.Category Code 87210	7.Project Number P611	8.Project Cost (\$000) 4,330	
<u>Equipment</u> <u>Nomenclature</u>		<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
Cameras		OPN	2005	\$18
Digital Recorder		OPN	2005	\$45
Duress Alarm		OPN	2005	\$3
MUX and Controller		OPN	2005	\$18
Monitor		OPN	2005	\$5
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: Mr. Peter Bastinelli			Phone No: 757-444-4155 x 3016	

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA		4.Project Title PIER 11 REPLACEMENT (INCREMENT II)	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P094A	8.Project Cost (\$000) Auth 0 Approp 40,000 Auth for Approp 40,000

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
PIER 11 REPLACEMENT (INCREMENT II) (294,156 SF)	m2	27,328		75550
PIER 11 REPLACEMENT (294,156 SF)	m2	27,328	1,326.00	(36240)
5T BASIN DEVELOPMENT (OLD 25T)	LS			(10620)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1580)
ELECTRICAL UTILITIES	LS			(20050)
MECHANICAL UTILITIES	LS			(4420)
NORTH BREAKWATER DEVELOPMENT	LS			(450)
SMALL CRAFT BASIN PIER 11	LS			(1940)
TECHNICAL OPERATING MANUALS	LS			(250)
SUPPORTING FACILITIES				55430
SPECIAL CONSTRUCTION FEATURES	LS			(25130)
ELECTRICAL UTILITIES	LS			(880)
MECHANICAL UTILITIES	LS			(4390)
PAVING AND SITE IMPROVEMENTS	LS			(1660)
DEMOLITION	LS			(23060)
ANTI-TERRORISM/FORCE PROTECTION	LS			(310)
SUBTOTAL				130980
CONTINGENCY (5%)				6550
TOTAL CONTRACT COST				137530
SIOH (6%)				8250
SUBTOTAL				145780
LESS INCREMENT I FUNDING	LS			-27610
LESS INCREMENTS III AND IV FUNDING	LS			-78170
TOTAL REQUEST ROUNDED				40000
TOTAL REQUEST				40000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1115)

**10.Description of Proposed Construction**

Double Deck, General Purpose Berthing Pier 28 meters (93 linear feet (LF) wide and 488 meters (1,600 LF)) long with lower deck utilidor, for a total of 869 meters of berthing (MB)). The structure consists of precast, prestressed cylindrical concrete piles, supporting precast concrete pile caps and precast concrete lower deck slabs. Utilities consist of potable water; sanitary sewer, oily waste/waste oil, steam, and fuel piping systems with ship hose service connections and expansion and freeze protection devices. Additional ship-to-shore utilities include electrical, telephone, cable television, fiber optic communications, and a fire alarm. The project includes upgrades to sanitary Pump Station #3 and approximately 460 meters (1,500LF) of existing shore-side gravity sanitary sewer. 480V shore-to-ship power capacity will be 32MVA served via eight skid-mounted secondary unit substations. Secondary unit substations will consist of

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA		4.Project Title PIER 11 REPLACEMENT (INCREMENT II)		
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P094A	8.Project Cost (\$000) Auth 0 Approp 40,000 Auth for Approp 40,000	
<p>secondary transformers, switchgear, breakers, and shore power outlets in weatherproof enclosures compatible for use on all 34.5kV upgraded piers. The new pier will include 4,160V and 13.8kV shore-to-ship power in a flexible system capable of supporting projected ship power requirements for CVN, CVNX, LHD-8, DDX, and possibly for later variants of LPD-17. Total area of double deck pier is 27,328 m2 (869 MB). The second deck does not require the same pile supports as the first deck, thus the cost per square meter is lower than historical costs for a single deck pier. A new relieving platform will be constructed in front of the Pier 11 bulkhead to provide a continuous, crane-capable corridor immediately along the waterfront. Anti-terrorism/force protection features will be provided.</p> <p>Demolition includes: Pier 11 (892 meters of berthing (MB)), small craft basin (1187 MB), wooden finger piers G and H (548 MB), and a portion of the existing bulkhead, and the laundromat (374 m2).</p> <p>Special Construction Features include: Offshore berths on both sides of the pier will be dredged to a depth of 15.3+0.6 meters (50+2 feet), inshore berth on the north side to a depth of 12.2+0.6 meters (40+2 feet), and small craft basins to 9.1+0.6 meters (30+2 feet); dredge material disposal; mounted oil boom; and two relieving platforms.</p> <p>In addition, a new small craft basin in the area of Pier 5T will be developed. The Pier 5T basin includes breakwaters, small craft piers, YD-capable dolphins, perimeter relieving platforms, a 35-ton travel lift slip/boat ramp, and a boat shed.</p> <p>Additional shore-side work includes removal and replacement of asphalt and concrete pavement, new pedestrian cross-walks and traffic signage, a new 7,430 m2, asphalt parking lot east of the new small craft berthing area, an 8,270 m2, asphalt paved small craft dry storage/repair area east of the small craft berthing area, chain-link security fencing, incidental repairs to paved areas disturbed by construction, provisions for relocation of Laundromat to Building #CEP58, and demolition of a small craft boathouse 403 m2.</p> <p>Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.</p>				
<b>11.Requirement:</b> <u>27328m2</u> <b>Adequate:</b> <u>m2</u> <b>Substandard:</b> <u>m2</u> <b>PROJECT:</b>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA		4.Project Title PIER 11 REPLACEMENT (INCREMENT II)	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P094A	8.Project Cost (\$000) Auth 0 Approp 40,000 Auth for Approp 40,000

This project will construct a new double deck general purpose berthing pier at Naval Station (NAVSTA) Norfolk.

**(Current Mission)**

**REQUIREMENT:**

A comprehensive Regional Waterfront Plan for the entire Hampton Roads region drives the requirement for this project. NAVSTA has a requirement for 12,350 MB supporting a 2010 ship loading of 87 ships and utilizing ship nesting. This project constructs 884 MB of that requirement. Currently, Pier 11 is inadequate based on operational constraints. The deficiencies include inadequate utilities, structural limitations, pier separations, and deck size to support current and future ship berthing operations. To provide a portion of the required berthing at NAVSTA, Norfolk, Pier 11 must be replaced with a modern general purpose-berthing pier. The pier will be required to provide necessary utilities, deck space, and deck loading, as well as, pier to pier spacing required to provide efficient and safe general berthing capability in support of the US Atlantic Fleet. An additional CVN capable berth is provided to offset the loss of berthing capacity at times when Piers 12 or 14 are unavailable because of maintenance and recapitalization requirements. Pier 11 will be the first pier at NAVSTA capable of berthing CVNX and LHD-8 class ships.

The small craft basins have the requirement to berth eight tractor tugs, five YD cranes as well as various fenders, camels, separators and barges as included in the small craft berthing requirement.

**CURRENT SITUATION:**

The existing Pier 11 is a one-sided pier, north side only, with the small craft piers to the south. The shore power electrical system is located in vaults below the existing pier deck resulting in moisture damage to equipment from damp conditions and, in extreme weather conditions, are subject to tidal inundation. Equipment damage and confined space access conditions result in increased maintenance costs and have resulted in the death of one and serious injury to an additional maintenance technician. The current electrical configuration does not provide the required power for CVN, CVNX, LHD-8 and the planned DDX class ships. In order to provide the necessary pier-to-pier spacing and to maximize the use of piers along the entire Naval Station waterfront, the Regional Waterfront Plan relocates the small craft basin to the Pier 5T area and the inshore portion of the south side of the new Pier 11. The existing Pier 11 will be replaced to allow for berthing on both sides of the pier, alleviating the shortage of CVN/CVNX/LHD/LHA berths.

Pier 10 is currently the only other pier capable of berthing CVN-65 because of its unique power requirements; therefore, the pier must remain operational until a

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA		4.Project Title PIER 11 REPLACEMENT (INCREMENT II)	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P094A	8.Project Cost (\$000) Auth 0 Approp 40,000 Auth for Approp 40,000

replacement pier is provided. Pier 11 will provide the necessary power, structural capacity, dredge depth and other capabilities to support CVN-65 and other CVNs. Pier 10, the oldest pier on the waterfront, will become available for recapitalization once this project is completed. Also, only Piers 12 and 14 are currently capable of berthing the other CVNs, greatly limiting berthing flexibility. As a result, there are no alternative CVN berths available when one of Piers 12 or 14 is unavailable due to pier maintenance requirements or an AOE or other large ship occupying a CVN berth.

The small craft piers were originally built to accommodate early submarine berthing and currently support Port-Ops tugboats and other yard craft. Harbor patrol craft are currently berthed in the 'V' area of the former Air Station. In excellent weather, this requires a 20-minute transit to the southernmost general berthing piers with foul weather transit considerably longer. The relocated small craft basin will accommodate these harbor patrol craft placing them in the center of the waterfront and significantly decreasing emergency response times.

NAVSTA currently is developing extensive anti-terrorism/force protection enhancements to offset critical shortfalls in the piers and waterfront area.

This project is part of the long term Regional Waterfront Plan, which at its completion will result in a more efficient, secure and usable waterfront that can accommodate the future ship loading at NAVSTA Norfolk.

**IMPACT IF NOT PROVIDED:**

The existing pier and the NAVSTA waterfront as a whole will not be able to properly support berthing of future ship classes. By the end of 2005, two LPD-17 class ships will be homeported in Norfolk, replacing ships over 100 feet shorter. The LHD-8 class ship, scheduled for delivery in 2007, will require 4160V service, the same as all other current carriers. CVNX is scheduled for delivery in 2013 and will require 13.8kV service. The lack of adequate berthing space with required utilities is part of a cumulative impact that will prevent NAVSTA from supporting all classes of homeported ships. The single sided pier and existing deck widths prohibit fire and emergency vehicle access during crane operations on the pier. Additionally, the existing deck loading is 600 pounds per square foot falling short of the 1000 pounds per square foot required for CVN loading. Lack of adequate crane operations at the existing pier drives the need to perform costly berth shifts in order to perform weapons loading, logistics and maintenance operations.

Positive impacts on the Quality of Life (QOL) will not be realized including: reduced

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA			4.Project Title PIER 11 REPLACEMENT (INCREMENT II)	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P094A	8.Project Cost (\$000) Auth 0 Approp 40,000 Auth for Approp 40,000	
<p>nesting of ships will reduce ship movements, reduced numbers of cables across the inboard ship's deck, and increase maintenance opportunities and lay down area; utility outages due to storm and wave damage will decrease because of the increased elevation of a double deck pier and pipe protection; simplified CVN loading from drive on ramps to the hanger deck; increased pier width along with a deck free of utility cables will improve pier side staging of materials and ammunition movements, improved small craft berthing simplifying all aspects of port operations.</p> <p>If this project is not completed, the requirements of the Regional Waterfront Plan will not be met resulting in: inadequate slip widths, inadequate total numbers of berths exacerbated by the possibility of DESRON 18 moving five ships from NNSY back to NAVSTA.</p>				

**12. Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	112001
(B) Date Design 35% Complete	012003
(C) Date Design Completed	092003
(D) Percent Completed as of SEPTEMBER 2003	100%
(E) Percent Completed as of JANUARY 2004	100%
(F) Type of Design Contract	Design Bid Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design:	No
(B) Where Design Was Most Recently Used:	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :	\$10,535
(A) Production of Plans and Specifications	\$7,901
(B) All other Design Costs	\$2,634
(C) Total	\$10,535
(D) Contract	\$6,585
(E) In-House	\$3,950

4. Contract Award	112003
5. Construction Start	122003
6. Construction Complete	112007

B. Equipment associated with this project which will be provided from other appropriations:

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N62688 NAVAL STATION NORFOLK, VIRGINIA		4.Project Title PIER 11 REPLACEMENT (INCREMENT II)	
5.Program Element 0203176N	6.Category Code 15120	7.Project Number P094A	8.Project Cost (\$000) Auth 0 Approp 40,000 Auth for Approp 40,000

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u>		<u>Cost</u> <u>(\$000)</u>
		<u>Appropriated</u>	<u>Or Requested</u>	
Brows (30')	OMN	2006		\$237
Brows (40')	OMN	2006		\$72
Brows (60')	OMN	2006		\$23
Fuel Hoses	OMN	2006		\$22
Life Ring Stations	OMN	2006		\$5
Life Rings w/Line	OMN	2006		\$2
OW/WO Hoses	OMN	2006		\$27
Sewage Hoses	OMN	2006		\$44
Shore Power Cables	OMN	2006		\$656
Steam Hoses	OMN	2006		\$27

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.

Activity POC: ANDY SAMPSON

Phone No: (757)-444-4450

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: M00262 MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA		4. Command Commandant, Marine Corps								
		5. Area Const Cost Index .98								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	75	572	0	3	12	0	0	12	25	687
b. End FY 2008	88	598	0	4	14	0	0	0	28	732
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									0
c.	AUTHORIZATION NOT YET IN INVENTORY.....									3,749
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									21,180
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									0
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									30,194
g.	REMAINING DEFICIENCY .....									1,480
h.	<b>GRAND TOTAL .....</b>									<b>56,603</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
21105	MAINTENANCE HANGAR TYPE I				5282 m2	21180	08/2002	04/2005		
	TOTAL					21180				
9. Future Projects:										
a. Included In The Following Program:										
None										
b. Major Planned Next Three Years:										
11320	AIRCRAFT PARKING APRON				0 LS	9994				
21105	MAINTENANCE HANGAR TYPE II				0 LS	20200				
	TOTAL					30194				
c. R&M Unfunded Requirement (\$000): 6,600										
10. Mission or Major Functions:										
Provide services and material to support the aviation requirements of the Marine Corps Combat Development Command, Quantico, Virginia, and to support operations of other activities and units as designated by the Commandant of the Marine Corps.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component MARINE CORPS	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M00262 MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA		4.Project Title MAINTENANCE HANGAR TYPE I		
5.Program Element 0206496M	6.Category Code 21105	7.Project Number P449	8.Project Cost (\$000) 21,180	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
MAINTENANCE HANGAR TYPE I (56,855 SF)	m2	5,282		13380
AIRCRAFT MAINTENANCE HANGAR (39,934 SF)	m2	3,710	2,050.00	(7610)
GENERAL PURPOSE MAINTENANCE HANGAR (16,921 SF)	m2	1,572	1,760.00	(2770)
BUILT-IN EQUIPMENT	LS			(1750)
TECHNICAL OPERATING MANUALS	LS			(270)
INFORMATION SYSTEMS	LS			(280)
ANTI-TERRORISM/FORCE PROTECTION	LS			(260)
SPECIAL COSTS	LS			(440)
SUPPORTING FACILITIES				4990
SPECIAL FOUNDATION FEATURES	LS			(790)
ELECTRICAL UTILITIES	LS			(390)
MECHANICAL UTILITIES	LS			(520)
ENVIRONMENTAL MITIGATION	LS			(470)
ANTI-TERRORISM/FORCE PROTECTION	LS			(240)
PAVING AND SITE IMPROVEMENT	LS			(2580)
SUBTOTAL				18370
CONTINGENCY (5%)				920
TOTAL CONTRACT COST				19290
SIOH (6%)				1160
SUBTOTAL				20450
DESIGN/BUILD - DESIGN COST				730
TOTAL REQUEST ROUNDED				21180
TOTAL REQUEST				21180
<b>10.Description of Proposed Construction</b>				
<p>Construct a multi-story Type I aircraft hangar (two modules) on reinforced concrete slab and pile foundation with structural steel frame, concrete masonry unit (CMU) and brick infill walls, standing seam metal siding and standing seam metal roof. Construction includes maintenance shop, storage and support areas. Special costs include Georgian style architecture (partial height brick veneer with pilasters, recesses, and cast stone accents). Special foundation features include pile foundation. Built-in equipment includes 400Hz power converters, one emergency generator, one bridge crane, compressed air system, and one elevator. Sustainable principles will be included in the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Electrical systems include electrical distribution, fire alarms, telephone, and energy saving Electronic Monitoring and Control System (EMCS). Mechanical systems include underground propane tank and piping, fire suppression systems, heating ventilation and air conditioning (HVAC), and plumbing. Supporting facilities work includes site and building utility connections (water, storm and sanitary sewer, electrical, Local Area Network (LAN) and cable television). Paving and site improvements include paved vehicle parking and aircraft</p>				

1.Component MARINE CORPS	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M00262 MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA		4.Project Title MAINTENANCE HANGAR TYPE I		
5.Program Element 0206496M	6.Category Code 21105	7.Project Number P449	8.Project Cost (\$000) 21,180	
parking apron, concrete sidewalks, pavement and storm drain demolition, flightline fencing, perimeter fencing, earthwork, grading and landscaping, underground containment tanks for Aqueous Film Forming Foam (AFFF) (fire suppression) waste, exterior building and site lighting, and storm drainage. Project also includes Technical Operating Manuals, Anti-Terrorism/Force Protection features, and environmental mitigation.				
<b>11.Requirement:</b> <u>5282m2</u> <b>Adequate:</b> <u>0m2</u> <b>Substandard:</b> <u>0m2</u> <b>PROJECT:</b> Construct two modules of Type I Maintenance Hangar and adjacent support spaces for HMX-1 to perform aircraft maintenance, operations, storage, training, and other required mission elements. <b>(Current Mission)</b>  <b>REQUIREMENT:</b> Adequate maintenance hangar facility efficiently configured to support the maintenance requirements of the current and future aircraft assigned to HMX-1. In accordance with Standing Operating Procedures for White House Mission Helicopter Flights, all HMX-1 aircraft will be hangared when not involved in flight operations.  <b>CURRENT SITUATION:</b> The existing hangars at Marine Corps Air Facility Quantico violate operating aircraft airspace. This violation creates a safety hazard aboard the installation.  The existing hangars (circa. 1935) do not provide adequate height or floor space to accommodate the current maintenance of the CH-46 aircraft and they will not support the maintenance requirements of future replacement aircraft. Currently, only two of six CH-46s can be parked with adequate fire lanes and safety clearances. When moving aircraft inside the hangar, maintenance personnel must manually lift and pull down rotor blades while rotating the rotor heads to permit clearance and avoid costly damage. Overhead clearance is not sufficient to conduct most "in-hangar" hoist operations. Electrical systems are not sufficient to meet current user demand. Fire suppression systems are inadequate to protect critical national assets and violate current Navy guidelines. The building's proximity to the runway violates the 7:1 transitional surface of the P-80 Airfield Safety Criteria. The aircraft parking apron in front of the building is limited to only 1 or 2 aircraft.  In addition to the Presidential Support mission, HMX provides critical support to the Marines Corps warfighting effort by providing Operational Test and Evaluation (OT&E) support for Marine Corps vertical lift aircraft. HMX also provides training support to the Marine Corps Combat Development Command (MCCDC) critical to the development of credible warfighting capabilities within the Marine Corps.				

1.Component MARINE CORPS	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04																														
3.Installation and Location/UIC: M00262 MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA			4.Project Title MAINTENANCE HANGAR TYPE I																															
5.Program Element 0206496M	6.Category Code 21105	7.Project Number P449	8.Project Cost (\$000) 21,180																															
<p><b>IMPACT IF NOT PROVIDED:</b>  Airfield safety will remain compromised. The existing facilities will continue to deteriorate resulting in increased maintenance and repair costs and unsafe working conditions. Future aircraft will not be adequately accommodated in the current facility.</p>																																		
<p><b>12.Supplemental Data:</b></p> <p>A. Estimated Design</p> <p>1. Status:</p> <table> <tr><td>(A) Date Design Start</td><td>082002</td></tr> <tr><td>(B) Date Design 35% Complete</td><td>092004</td></tr> <tr><td>(C) Date Design Completed</td><td>042005</td></tr> <tr><td>(D) Percent Completed as of SEPTEMBER 2003</td><td>3%</td></tr> <tr><td>(E) Percent Completed as of JANUARY 2004</td><td>3%</td></tr> <tr><td>(F) Type of Design Contract</td><td>Design Build</td></tr> <tr><td>(G) Parametric Estimate used to develop cost</td><td>Yes</td></tr> <tr><td>(H) Energy study/Life cycle analysis performed</td><td>Yes</td></tr> </table> <p>2. Basis:</p> <table> <tr><td>(A) Standard or Definitive Design:</td><td>No</td></tr> <tr><td>(B) Where Design Was Most Recently Used:</td><td>N/A</td></tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$580</p> <table> <tr><td>(A) Production of Plans and Specifications</td><td>\$500</td></tr> <tr><td>(B) All other Design Costs</td><td>\$80</td></tr> <tr><td>(C) Total</td><td>\$580</td></tr> <tr><td>(D) Contract</td><td>\$80</td></tr> <tr><td>(E) In-House</td><td>\$500</td></tr> </table> <p>4. Contract Award 012005</p> <p>5. Construction Start 042005</p> <p>6. Construction Complete 042007</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p><b>JOINT USE CERTIFICATION:</b>  The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.</p>					(A) Date Design Start	082002	(B) Date Design 35% Complete	092004	(C) Date Design Completed	042005	(D) Percent Completed as of SEPTEMBER 2003	3%	(E) Percent Completed as of JANUARY 2004	3%	(F) Type of Design Contract	Design Build	(G) Parametric Estimate used to develop cost	Yes	(H) Energy study/Life cycle analysis performed	Yes	(A) Standard or Definitive Design:	No	(B) Where Design Was Most Recently Used:	N/A	(A) Production of Plans and Specifications	\$500	(B) All other Design Costs	\$80	(C) Total	\$580	(D) Contract	\$80	(E) In-House	\$500
(A) Date Design Start	082002																																	
(B) Date Design 35% Complete	092004																																	
(C) Date Design Completed	042005																																	
(D) Percent Completed as of SEPTEMBER 2003	3%																																	
(E) Percent Completed as of JANUARY 2004	3%																																	
(F) Type of Design Contract	Design Build																																	
(G) Parametric Estimate used to develop cost	Yes																																	
(H) Energy study/Life cycle analysis performed	Yes																																	
(A) Standard or Definitive Design:	No																																	
(B) Where Design Was Most Recently Used:	N/A																																	
(A) Production of Plans and Specifications	\$500																																	
(B) All other Design Costs	\$80																																	
(C) Total	\$580																																	
(D) Contract	\$80																																	
(E) In-House	\$500																																	

1.Component MARINE CORPS	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M00262 MARINE CORPS AIR FACILITY QUANTICO, VIRGINIA		4.Project Title MAINTENANCE HANGAR TYPE I	
5.Program Element 0206496M	6.Category Code 21105	7.Project Number P449	8.Project Cost (\$000) 21,180
<p>Activity POC: Mr. Jim Woods, MCABE Facilities                      Phone No: 252-466-4769</p>			

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA		4. Command Commandant, Marine Corps								
		5. Area Const Cost Index .98								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	243	1211	1071	1355	103	1444	1285	103	2624	12142
b. End FY 2008	142	1002	1001	2025	1547	1676	1277	2815	4577	16062
<b>7. INVENTORY DATA (\$000)</b>										
a. TOTAL ACREAGE .....( 544,806 Acres).....										
b. INVENTORY AS OF 30 Sep 2003 .....										4,379,246
c. AUTHORIZATION NOT YET IN INVENTORY.....										56,548
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....										20,620
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....										8,265
f. PLANNED IN NEXT THREE PROGRAM YEARS .....										15,948
g. REMAINING DEFICIENCY .....										334,096
h. <b>GRAND TOTAL</b> .....										<b>4,814,723</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
14345	THE BASIC SCHOOL ARMORY				1205 m2	4580	08/2002	04/2005		
72124	BACHELOR ENLISTED QUARTERS				5525 m2	15090	08/2002	04/2005		
85110	PAVE HERITAGE CENTER ROADS				20715 m2	950	08/2002	09/2004		
TOTAL						20620				
9. Future Projects:										
a. Included In The Following Program:										
17110	SNCO ACADEMIC FACILITY				0 LS	8265				
TOTAL						8265				
b. Major Planned Next Three Years:										
61072	H&S BN HDQTRS BUILDING, TBS				0 LS	4470				
73083	RELIGIOUS/FAMILY SVCS CTR				0 LS	3320				
85110	INFRASTRUCTURE RUSSELL RD				0 LS	8158				
TOTAL						15948				
c. R&M Unfunded Requirement (\$000):					64,340					
10. Mission or Major Functions:										
Develop, in coordination with agencies and representatives of other services, the doctrine, tactics, techniques and equipment employed by landing forces in amphibious operations; support Marine Corps requirements for long range planning by identifying required study areas and by initiating study of such areas, in coordination with other government and civilian contract agencies; educate officers in the principles, tactics and techniques of warfare, with particular emphasis on the landing force aspects of amphibious operations in air-ground combat forces of the Marine Corps; educate staff noncommissioned officers with the requisite responsibilities; exercise academic supervision over all Marine Corps formal schools (less recruit training); and other										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04
3.Installation and Location: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA	4.Command Commandant, Marine Corps	5.Area Const Cost Index .98
functions as directed by the Commandant of the Marine Corps.		
11. Outstanding Pollution and Safety Deficiencies (\$000): a. Pollution Abatement(*): \$ 0 b. Occupational Safety and Health (OSH) (#): \$ 0		

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA		4.Project Title PAVE HERITAGE CENTER ROADS		
5.Program Element 0805796M	6.Category Code 85110	7.Project Number P667	8.Project Cost (\$000) 950	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
PAVE HERITAGE CENTER ROADS (222,974 SF)	m2	20,715		850
ASPHALT OVERLAY EXISTING ROAD (107,736 SF)	m2	10,009	41.75	(420)
ASPHALT PARKING AREA (115,238 SF)	m2	10,706	40.18	(430)
SUPPORTING FACILITIES				10
SEEDING	LS			(10)
SUBTOTAL				860
CONTINGENCY (5%)				40
TOTAL CONTRACT COST				900
SIOH (6%)				50
SUBTOTAL				950
TOTAL REQUEST ROUNDED				950
TOTAL REQUEST				950
<b>10.Description of Proposed Construction</b>				
Project provides for the grading and paving of 20,709 square meters of gravel road to provide the site access for the Marine Corps Heritage Center and to grade and pave the associated parking lot.				
<b>11.Requirement:</b> <u>20715m2</u> <b>Adequate:</b> <u>0m2</u> <b>Substandard:</b> <u>0m2</u>				
<b>PROJECT:</b> Provide paved access road and parking lot for the Marine Corps Heritage Center. <b>(Current Mission)</b>				
<b>REQUIREMENT:</b> The Marine Corps Heritage Center site will require visitor entry and exit access roads.				
<b>CURRENT SITUATION:</b> An unfinished road provides access for construction vehicles to the Marine Corps Heritage Center construction site. This road will not accomodate visitors to and from the Center once construction is completed				
<b>IMPACT IF NOT PROVIDED:</b> If not provided, the Marine Corps Heritage Center will not have suitable public access once construction is completed.				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				012004
(C) Date Design Completed				092004
(D) Percent Completed as of	SEPTEMBER 2003			2%

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA		4.Project Title PAVE HERITAGE CENTER ROADS	
5.Program Element 0805796M	6.Category Code 85110	7.Project Number P667	8.Project Cost (\$000) 950
<p>(E) Percent Completed as of JANUARY 2004 35%</p> <p>(F) Type of Design Contract Design Bid Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy study/Life cycle analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$69</p> <p>(A) Production of Plans and Specifications \$52</p> <p>(B) All other Design Costs \$17</p> <p>(C) Total \$69</p> <p>(D) Contract \$43</p> <p>(E) In-House \$26</p> <p>4. Contract Award 112004</p> <p>5. Construction Start 122004</p> <p>6. Construction Complete 122005</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Access will be available for anyone who wishes to visit, but is based upon Marine Corps standards.</p> <p>Activity POC: Richard Reisch Phone No: 703-784-5490</p>			

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA			4.Project Title ARMORY (THE BASIC SCHOOL)	
5.Program Element 0805796M	6.Category Code 14345	7.Project Number P539	8.Project Cost (\$000) 4,580	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ARMORY (THE BASIC SCHOOL) (12,971 SF)	m2	1,205		2000
ARMORY (10,280 SF)	m2	955	1,356.05	(1300)
COVERED CLEANING AREA (2,500 SF)	m2	250	678.00	(170)
BUILT-IN EQUIPMENT	LS			(240)
TECHNICAL OPERATING MANUALS	LS			(50)
INFORMATION SYSTEMS	LS			(240)
SUPPORTING FACILITIES				1970
ELECTRICAL UTILITIES	LS			(320)
MECHANICAL UTILITIES	LS			(340)
PAVING AND SITE IMPROVEMENTS	LS			(990)
ANTI-TERRORISM/FORCE PROTECTION	LS			(320)
SUBTOTAL				3970
CONTINGENCY (5%)				200
TOTAL CONTRACT COST				4170
SIOH (6%)				250
SUBTOTAL				4420
DESIGN/BUILD - DESIGN COST				160
TOTAL REQUEST ROUNDED				4580
TOTAL REQUEST				4580
<b>10.Description of Proposed Construction</b>				
<p>Construct a single-story reinforced Concrete Masonry Unit (CMU) building with structural walls supported on spread footing, concrete slab on grade foundation, structural steel framing, CMU interior walls, and reinforced concrete roof with modified bituminous roofing. Buildings will provide an armory and covered cleaning area for The Basic School at MCB Quantico, VA. Built-in equipment includes compressed air system, emergency generator, weapons cleaning tanks, and a forklift charging station. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Electrical utilities include telephone, electrical, Intrusion Detection System (IDS), energy saving Electronic Monitoring and Control System (EMCS), and fire alarm. Mechanical utilities include compressed air, heating, ventilation and air conditioning (HVAC), dehumidification system, and fire protection system. Supporting facilities include site and building utility connections (water, telephone, electrical, sanitary and storm sewers, and Local Area Network (LAN)). Paving and site improvements include exterior site and building lighting, perimeter fencing and gates, roads, sidewalks, paved parking, earthwork, fill, grading, and landscaping. Project includes demolition of existing asphalt surfaces, Technical Operating Manuals and Anti-Terrorism/Force protection features. The facility will be constructed to seismic zone three and current armory facility standards.</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA			4.Project Title ARMORY (THE BASIC SCHOOL)	
5.Program Element 0805796M	6.Category Code 14345	7.Project Number P539	8.Project Cost (\$000) 4,580	
<b>11.Requirement:</b> <u>1205m2</u> <b>Adequate:</b> <u>0m2</u> <b>Substandard:</b> <u>0m2</u> <b>PROJECT:</b> This project provides an Armory Facility for The Basic School(TBS) that complies with all Navy and Marine Corps physical security standards for the storage of individual and crew-served weapons. <b>(Current Mission)</b>  <b>REQUIREMENT:</b> An adequate and efficiently configured facility is required to provide Armory support for TBS. Each student company at TBS has an average of 250 Marines per company. The armory must meet all Navy and Marine Corps physical security requirements and include office space, weapons cleaning space, maintenance space and secure storage for over 5,000 weapons. The TBS armory is one of the largest in the Marine Corps. It holds individual and crew-served weapons used in the training of newly commissioned Marine Officers in Basic Infantry Tactics.  <b>CURRENT SITUATION:</b> The existing facility, Building 24006, was built in 1974 and does not meet the current standards for secure weapons storage. Building walls, ceilings, and windows are not of sufficient strength for an armory. MCB Quantico is currently operating this facility under a waiver from numerous repeat inspection deficiencies. Furthermore, the existing facility only provides 68% of the weapon storage space required at TBS.  <b>IMPACT IF NOT PROVIDED:</b> Continued violation of existing physical security requirements could lead to the possible compromise of the armory and the theft/damage of individual and crew-served automatic weapons and artillery. The existing facility will continue to operate under security waivers and fail to meet applicable Anti-Terrorism/Force Protection (AT/FP) standards.				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of SEPTEMBER 2003				3%
(E) Percent Completed as of JANUARY 2004				3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA		4.Project Title ARMORY (THE BASIC SCHOOL)	
5.Program Element 0805796M	6.Category Code 14345	7.Project Number P539	8.Project Cost (\$000) 4,580
<p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$240</p> <p>(A) Production of Plans and Specifications \$200</p> <p>(B) All other Design Costs \$40</p> <p>(C) Total \$240</p> <p>(D) Contract \$40</p> <p>(E) In-House \$200</p> <p>4. Contract Award 012005</p> <p>5. Construction Start 042005</p> <p>6. Construction Complete 042006</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Marine Corps requirements.</p> <p>Activity POC: Richard Reisch Phone No: 703-784-5490</p>			

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA		4.Project Title BACHELOR ENLISTED QUARTERS (THE BASIC SCHOOL)	
5.Program Element 0805796M	6.Category Code 72124	7.Project Number P531	8.Project Cost (\$000) 15,090

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
BACHELOR ENLISTED QUARTERS (THE BASIC SCHOOL) (59,471 SF)	m2	5,525		10150
BACHELOR ENLISTED QUARTERS (59,471 SF)	m2	5,525	1,727.99	(9550)
BUILT-IN EQUIPMENT	LS			(80)
TECHNICAL OPERATING MANUALS	LS			(70)
INFORMATION SYSTEMS	LS			(120)
ANTI-TERRORISM/FORCE PROTECTION	LS			(330)
SUPPORTING FACILITIES				2940
ELECTRICAL UTILITIES	LS			(150)
MECHANICAL UTILITIES	LS			(340)
PAVING AND SITE IMPROVEMENTS	LS			(950)
DEMOLITION	LS			(1500)
SUBTOTAL				13090
CONTINGENCY (5%)				650
TOTAL CONTRACT COST				13740
SIOH (6%)				820
SUBTOTAL				14560
DESIGN/BUILD - DESIGN COST				520
TOTAL REQUEST ROUNDED				15080
TOTAL REQUEST				15090

**10.Description of Proposed Construction**

Construct a multi-story reinforced concrete masonry unit (CMU) building with concrete foundation and floors, CMU interior walls, Georgian-style cast stone and brick veneer, and standing seam metal roof over structural steel framing. Building provides 130 rooms (260 manspaces) in the standard 2X0 room configuration with semi-private bathrooms and walk-in closets. Built-in equipment includes a service elevator. Community and service core areas consist of laundry facilities, lounges, administrative offices, housekeeping areas and public restrooms. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Electrical systems include fire alarms, energy saving Electronic Monitoring and Control System (EMCS), and information systems. Mechanical systems include plumbing, fire protection systems, and heating ventilation and air conditioning (HVAC). Supporting facilities work includes site and building utility connections (water, sanitary and storm sewers, electrical, telephone, Local Area Network (LAN), and cable television). Paving and site improvements include paved parking, sidewalks, roadway access and landscaping. Also includes Technical Operating Manuals, Anti-Terrorism/Force Protection features, demolition of existing barracks buildings 24000 and 24001 including lead paint and asbestos abatement, and environmental mitigation. Project will match existing 2000 series barracks on Base per the Base Exterior Architecture Plan (BEAP).



1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: M00264 MARINE CORPS COMBAT DEVELOPMENT COMMAND QUANTICO, VIRGINIA			4.Project Title BACHELOR ENLISTED QUARTERS (THE BASIC SCHOOL)	
5.Program Element 0805796M	6.Category Code 72124	7.Project Number P531	8.Project Cost (\$000) 15,090	
<p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$580</p> <p>(A) Production of Plans and Specifications \$500</p> <p>(B) All other Design Costs \$80</p> <p>(C) Total \$580</p> <p>(D) Contract \$80</p> <p>(E) In-House \$500</p> <p>4. Contract Award 012005</p> <p>5. Construction Start 042005</p> <p>6. Construction Complete 042007</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>C. FY 2003 R&amp;M Conducted (\$000): \$1,600</p> <p>D. FY 2004 R&amp;M Conducted (\$000): \$606</p> <p>E. Future R&amp;M Requirements (\$000): \$1,252</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Marine Corps requirements.</p> <p>Activity POC: Richard Reisch Phone No: 703-784-5490</p>				



1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N60191 NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA		4.Project Title POST 2 SECURITY IMPROVEMENTS (CT)	
5.Program Element 0203476N	6.Category Code 87210	7.Project Number P555	8.Project Cost (\$000) 2,770

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
POST 2 SECURITY IMPROVEMENTS (CT)	LS			1310
GUARD HOUSE (431 SF)	m2	40	6,300.00	(250)
ACTIVE VEHICLE BARRIER	EA	3	88,000.00	(260)
ELEVATED CONTROL LANE ISLAND W/BULLNOSE	EA	1	8,250.00	(10)
ELEVATED VEHICLE INSPECTION CATWALK	EA	1	25,000.00	(30)
GUARD HOUSE CANOPY	m2	372	1,295.00	(480)
PASSIVE VEHICLE BARRIER	m	271	350.00	(90)
SINGLE FIRING POSITION/SHELTER	EA	1	53,000.00	(50)
VEHICLE INSPECTOR & POV OCCUPANT SHELTER	EA	1	14,000.00	(10)
BUILT-IN EQUIPMENT	LS			(120)
TECHNICAL OPERATING MANUALS	LS			(10)
SUPPORTING FACILITIES				1180
ELECTRICAL UTILITIES	LS			(150)
MECHANICAL UTILITIES	LS			(70)
PAVING AND SITE IMPROVEMENTS	LS			(710)
SITE PREPARATIONS	LS			(230)
DEMOLITION	LS			(20)
SUBTOTAL				2490
CONTINGENCY (5%)				120
TOTAL CONTRACT COST				2610
SIOH (6%)				160
SUBTOTAL				2770
TOTAL REQUEST ROUNDED				2770
TOTAL REQUEST				2770
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(89)

**10.Description of Proposed Construction**

Project will relocate/upgrade Post 2 at Naval Air Station Oceana (NAS Oceana) to anti-terrorism/force protection (AT/FP) measures required for current security and terrorist threats. Construction will consist of the following: security gate; cable reinforced security fencing with concrete anchors; removal of existing building 1420 and foundation; removal of existing guard house; new hardened guard house with head facilities in new location, provide additional traffic lane from the intersection of London Bridge Boulevard and Swamp Road to the transition of Swamp Road to Hornet Drive; intrusion detection system (IDS), closed circuit television (CCTV), local area network (LAN), and basewide alarm duress system; pump station to accommodate new guard house head facilities; guard house canopy with security lighting and signage; site lighting; inspection and rejection area for privately owned vehicles (POVs) located at the guard house to include a shelter for the vehicle inspector and POV occupants; inspection area for trucks with elevated catwalk (for visual inspections); permanent passive barriers from gate to active vehicle barriers; active vehicle barriers located in both inbound and outbound lanes; hardened elevated firing position (for armed personnel); hardened back-up generator and a grass median between both inbound lanes and the outbound lane.



1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04																																
3.Installation and Location/UIC: N60191 NAVAL AIR STATION OCEANA VIRGINIA BEACH, VIRGINIA		4.Project Title POST 2 SECURITY IMPROVEMENTS (CT)																																		
5.Program Element 0203476N	6.Category Code 87210	7.Project Number P555	8.Project Cost (\$000) 2,770																																	
<p>(A) Date Design Start 082002</p> <p>(B) Date Design 35% Complete 012004</p> <p>(C) Date Design Completed 092004</p> <p>(D) Percent Completed as of SEPTEMBER 2003 2%</p> <p>(E) Percent Completed as of JANUARY 2004 35%</p> <p>(F) Type of Design Contract Design Bid Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy study/Life cycle analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used:</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$199</p> <p>(A) Production of Plans and Specifications \$149</p> <p>(B) All other Design Costs \$50</p> <p>(C) Total \$199</p> <p>(D) Contract \$125</p> <p>(E) In-House \$74</p> <p>4. Contract Award 112004</p> <p>5. Construction Start 122004</p> <p>6. Construction Complete 122005</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>Fiscal Year</u></th> <th><u>Cost</u></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Appropriation</u></th> <th><u>Appropriated</u></th> <th><u>(\$000)</u></th> </tr> <tr> <th></th> <th></th> <th><u>Or Requested</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>Cameras</td> <td>OPN</td> <td>2005</td> <td>\$18</td> </tr> <tr> <td>Digital Recorder</td> <td>OPN</td> <td>2005</td> <td>\$45</td> </tr> <tr> <td>Duress Alarm</td> <td>OPN</td> <td>2005</td> <td>\$5</td> </tr> <tr> <td>MUX and Controller</td> <td>OPN</td> <td>2005</td> <td>\$18</td> </tr> <tr> <td>Monitor</td> <td>OPN</td> <td>2005</td> <td>\$3</td> </tr> </tbody> </table> <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.</p> <p>Activity POC: Les Hanak Phone No: (757) 433-2931</p>					<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>	<u>Cost</u>	<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>(\$000)</u>			<u>Or Requested</u>		Cameras	OPN	2005	\$18	Digital Recorder	OPN	2005	\$45	Duress Alarm	OPN	2005	\$5	MUX and Controller	OPN	2005	\$18	Monitor	OPN	2005	\$3
<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>	<u>Cost</u>																																	
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>(\$000)</u>																																	
		<u>Or Requested</u>																																		
Cameras	OPN	2005	\$18																																	
Digital Recorder	OPN	2005	\$45																																	
Duress Alarm	OPN	2005	\$5																																	
MUX and Controller	OPN	2005	\$18																																	
Monitor	OPN	2005	\$3																																	

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: N00109 ATLANTIC ORDNANCE COMMAND YORKTOWN, VIRGINIA		4. Command Commander, Navy Region Mid-Atlantic								
		5. Area Const Cost Index .94								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	43	802	361	0	0	0	14	0	0	1229
b. End FY 2008	42	863	361	0	0	0	14	9	0	1289
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									0
c.	AUTHORIZATION NOT YET IN INVENTORY.....									39,737
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									9,870
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									0
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									90,020
g.	REMAINING DEFICIENCY .....									30,366
h.	<b>GRAND TOTAL .....</b>									<b>169,993</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
21420	ORDNANCE VEH MAINT SHOP				4649 M2	9870	08/2002	09/2004		
TOTAL						9870				
9. Future Projects:										
a. Included In The Following Program:										
None										
b. Major Planned Next Three Years:										
15210	NORTH TRESTLE&PIER REPL I				20400 M2	40000				
15210	NORTH TRES&PIER REPL (II)				20400 M2	18270				
42172	MAGAZINE REPL/CONSOL				2592 M2	8100				
42172	RECAP IGLOO MAGAZINES				2592 M2	7600				
42172	MAGAZINE REPL/CONSOL				2592 M2	7700				
74025	FAMILY SERVICES CENTER				883 M2	2000				
87210	GATE 1 SECURITY IMPROVS				19 M2	2150				
87210	GATE 13 SECURITY IMPROVS				19 M2	1990				
87210	GATE 3 SECURITY IMPROVS				19 M2	2210				
TOTAL						90020				
c. R&M Unfunded Requirement (\$000): 118,000										
10. Mission or Major Functions:										
Provide responsive, quality support for ordnance logistics, technical, and related services to U. S. Operating Forces in support of national military strategy.										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04
3.Installation and Location: N00109 ATLANTIC ORDNANCE COMMAND YORKTOWN, VIRGINIA	4.Command Commander, Navy Region Mid-Atlantic	5.Area Const Cost Index .94
<p>11. Outstanding Pollution and Safety Deficiencies (\$000):</p> <p>a. Pollution Abatement(*): \$ 0</p> <p>b. Occupational Safety and Health (OSH) (#): \$ 0</p>		

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N00109 ATLANTIC ORDNANCE COMMAND YORKTOWN, VIRGINIA		4.Project Title ORDNANCE VEHICLE MAINTENANCE SHOP	
5.Program Element 0703676N	6.Category Code 21420	7.Project Number P518	8.Project Cost (\$000) 9,870

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
ORDNANCE VEHICLE MAINTENANCE SHOP (50,041 SF)	m2	4,649		6160
BATTERY SHOP (5,823 SF)	m2	541	1,356.94	(730)
ORDNANCE-HANDLING VEHICLE MAINTENANCE SHOP (26,619 SF)	m2	2,473	1,501.50	(3710)
VEHICLE STORAGE SHED (9,548 SF)	m2	887	369.95	(330)
MAINTENANCE STORAGE FACILITY (7,212 SF)	m2	670	1,076.31	(720)
EQUIPMENT HOLDING SHED (840 SF)	m2	78	477.41	(40)
BUILT-IN EQUIPMENT	LS			(500)
TECHNICAL OPERATING MANUALS	LS			(60)
INFORMATION SYSTEMS	LS			(40)
ANTI-TERRORISM/FORCE PROTECTION	LS			(30)
SUPPORTING FACILITIES				2710
ELECTRICAL UTILITIES	LS			(600)
MECHANICAL UTILITIES	LS			(490)
PAVING AND SITE IMPROVEMENTS	LS			(580)
SITE PREPARATIONS	LS			(310)
DEMOLITION	LS			(230)
ENVIRONMENTAL MITIGATION	LS			(500)
SUBTOTAL				8870
CONTINGENCY (5%)				440
TOTAL CONTRACT COST				9310
SIOH (6%)				560
SUBTOTAL				9870
TOTAL REQUEST ROUNDED				9870
TOTAL REQUEST				9870

**10.Description of Proposed Construction**

Construct a two story, slab on-grade, concrete block, finished steel-frame/masonry ordnance-handling vehicle and equipment maintenance facility complete with necessary high-bay shop, storage and administrative support space. Facility will include administrative support areas which are heated and air-conditioned; maintenance shops and direct support spaces; overhead radiant heat and mechanical ventilation system, 5-ton overhead bridge crane in battery charging area, 10-ton overhead bridge crane in the crane/rigger/weight test handling shop. The facility will include an in-line vertical 400-500gpm fire pump, and all spaces will be equipped with a fire protection/suppression system. Existing oil/water separator in Building #683 will remain and be used by the new facility. Project will provide a fenced parking area for organizational and nonorganizational vehicles and equipment in conjunction with landscaped storm water collection and retention pond to permit natural purification of storm water run-off and eliminate environmental risks to local water table. Built-in equipment will include hoists, vehicle lifts and compressed air system. The facility will be designed to meet the current Department of Defense (DOD) Anti-Terrorism/Force Protection (AT/FP) criteria

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00109 ATLANTIC ORDNANCE COMMAND YORKTOWN, VIRGINIA		4.Project Title ORDNANCE VEHICLE MAINTENANCE SHOP		
5.Program Element 0703676N	6.Category Code 21420	7.Project Number P518	8.Project Cost (\$000) 9,870	
<p>and will meet the minimum setbacks. Project will connect new facility to existing utility systems at the site and will demolish Buildings #372, 426, 427, 449, 496, 529, 622, 683, 1446, and 1505 totaling 7,505 m2. There will be some asbestos abatement associated with project demolition. Landscaping and other sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. Technical operating manuals are included.</p>				
<p><b>11.Requirement:</b>                    <u>4649m2</u>                    <b>Adequate:</b>                    <u>0m2</u>                    <b>Substandard:</b>                    <u>0m2</u></p> <p><b>PROJECT:</b> This project constructs a consolidated ordnance-handling vehicle/equipment maintenance and repair facility with the necessary holding sheds, parking areas and storage facilities. <b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b> Adequate, consolidated facilities are needed to conduct efficient and safe vehicle and equipment maintenance operations in direct support of Naval Weapons Station (WPNSTA) Yorktown's primary ordnance mission and Cheatham Annex's (CAX) fleet industrial supply system (FISC) mission. All railroad transportation services at Yorktown were terminated in 1999. The majority of the 1,139 vehicles and pieces of equipment that the Norfolk Public Works Center transportation shop at Yorktown services are needed and used to handle and transport ordnance to and from storage magazines and to the Fleet's ships as they return/depart on deployment. All vehicles and equipment devoted to ordnance movement, transport or storage handling must meet stringent criteria for availability, reliability and safety. A modern maintenance and repair facility is essential to ensure the safety and readiness of an increasingly advanced and technologically sophisticated inventory of vehicles and weight/material handling equipment.</p> <p>Reliable and available vehicles and transportation equipment is critical to the success of the FISC mission and other tenant commands at CAX. The mission of the FISC is to receive, store, issue, pack, and ship Navy stock materials, including particularly large, bulky, and often unique shipboard equipment such as submarine periscopes, ship propellers, bull gears antennae, sonar domes, and other equipment. In addition, CAX provides warehouse and material distribution services for 39 storage authorization programs.</p> <p>The transportation shop at Yorktown also services civil engineering support equipment vehicles in support of the Navy Fleet Hospital command at CAX. Included in their inventory are the vehicles necessary to support 10 marine preposition force enhanced Navy Fleet hospitals which require regular cyclical maintenance to remain operationally</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00109 ATLANTIC ORDNANCE COMMAND YORKTOWN, VIRGINIA		4.Project Title ORDNANCE VEHICLE MAINTENANCE SHOP		
5.Program Element 0703676N	6.Category Code 21420	7.Project Number P518	8.Project Cost (\$000) 9,870	

ready. Each year 2 of the 10 hospitals are cycled through the vehicle maintenance and the heavy equipment shop for preventative maintenance and system checks. Each hospital includes 133 vehicles and generators.

In total, the Yorktown transportation shop has an annual throughput of approximately 3,226 vehicles. These figures include all the work done servicing vehicles and equipment to support the Naval Weapons Station's ordnance operations and its tenant commands, the FISC and Navy Fleet hospital at Cheatham Annex as well as the other CAX tenant commands.

**CURRENT SITUATION:**

Currently, vehicle and maintenance operations at Yorktown are conducted in ten different facilities, all of which were built between 1942-1944. All of the facilities are deteriorated beyond the point of economic repair and pose a variety of safety and environmental hazards. The majority of the vehicles are repaired and maintained in Building 372. Heavy equipment is maintained and repaired in Building #683. The crane riggers, weight testing and heavy equipment operations operate in Buildings #426, 427 and 529. Buildings #449, 496, 622, 1446, and 1505 are transportation-related storage facilities.

Building #372 (2,381 SM), ordnance-handling vehicle maintenance shop, has undergone numerous major repairs over the years and a 1991 comprehensive structural analysis of the entire building documented severe structural deficiencies that required immediate remedial action. Current standard operating procedures call for the Peninsula Site Regional Engineer to issue instructions to close the building when snow predictions of greater than 6 inches and winds of greater than 60 mph are forecast, due to the risk of building collapse. Current plans require personnel and services to be relocated at the first indication that the base may receive severe weather.

Additionally, the facility has the following major defects: It has no fire suppression system. The building does not have a vehicle exhaust system to remove deadly vehicle exhaust fumes from the building. Consequently, during winter weather, the garage doors must be left open to allow the gases to escape the building. The roof leaks in numerous locations, including the main administrative area of the entire transportation division.

The facility is not in compliance with the Americans with Disabilities Act, as the building contains no handicap accessible features.

Building #683, Heavy Equipment Shop, incurred structural damage when a bucket truck struck the east entry door transom. The concrete door transom was fractured and the front wall is cracked in several locations. The front wall must be replaced to include widening and raising the height of the door, and relocating the building's electrical

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00109 ATLANTIC ORDNANCE COMMAND YORKTOWN, VIRGINIA		4.Project Title ORDNANCE VEHICLE MAINTENANCE SHOP		
5.Program Element 0703676N	6.Category Code 21420	7.Project Number P518	8.Project Cost (\$000) 9,870	

distribution system. The door has been shored and blocked off. When bulldozers require maintenance and repair, they must enter the building from the west entry door. Due to their size and the facility's physical configuration, the presence of bulldozers severely limits the shop from bringing other equipment into the building for repairs. Building #683 does not have a fire suppression system.

Buildings #426 and 427 house the crane/rigger/weight test handling shop and heavy equipment operations shop. The weight test facility tests general-purpose non-ordnance and explosive ordnance related rigging gear. In addition to testing and inspection, this shop also fabricates and repairs rigging gear. The crane shop is required to provide crane and rigging service for local and ocean-going tugboats, Army, Air Force, Marines, Coast Guard ships, police boats, and friendly foreign ships. Both buildings have structural damage to existing 12" x 12" wooden roof supports and extensive damage to the roof trusses. The concrete masonry units (CMU) block wall in Building 426 is secured by sandwiching 2"x 6" lumber on both sides of the wall and tying the lumber to the bottom cord of the wooden roof rafter. The overhead roll-up doors have been damaged beyond economic repair and have been secured. The building walls are not insulated, causing excessive heat loss in winter conditions.

Building #529 houses the forklift charging and repair shop required to maintain the battery-powered weight handling equipment. The battery charging stations do not have a ventilation exhaust system that is required to remove the hydrogen gas, which is produced while recharging batteries.

There are 50 people who work at this complex. Consolidating under one roof will help with scheduling and improve energy efficiency.

**IMPACT IF NOT PROVIDED:**

Continued use of the facilities in their current condition will continue to jeopardize the safety of assigned personnel and critical ordnance handling equipment. The requirement to evacuate central maintenance facility (Building #372) during adverse weather will cost \$226,000 per year and significantly detract from the transportation department's ability to efficiently support the base and its tenant command's critical missions. Relocation effort will cause \$126,000 per year in lost Public Works Center (PWC) Navy Working Capital Fund revenues to be incurred and have a significant negative impact on employee morale and quality of life. Additionally, during times of adverse weather conditions, undetermined costs will be incurred by the relocation of maintenance and utility shop functions to Norfolk. Age and poor physical condition of the facilities will cause annual maintenance and utility costs to far exceed the average cost for similarly sized and configured modern facilities.

**12.Supplemental Data:**

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00109 ATLANTIC ORDNANCE COMMAND YORKTOWN, VIRGINIA		4.Project Title ORDNANCE VEHICLE MAINTENANCE SHOP		
5.Program Element 0703676N	6.Category Code 21420	7.Project Number P518	8.Project Cost (\$000) 9,870	
<p>A. Estimated Design</p> <p>1. Status:</p> <p>(A) Date Design Start 082002</p> <p>(B) Date Design 35% Complete 012004</p> <p>(C) Date Design Completed 092004</p> <p>(D) Percent Completed as of SEPTEMBER 2003 2%</p> <p>(E) Percent Completed as of JANUARY 2004 35%</p> <p>(F) Type of Design Contract Design Bid Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy study/Life cycle analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$709</p> <p>(A) Production of Plans and Specifications \$532</p> <p>(B) All other Design Costs \$177</p> <p>(C) Total \$709</p> <p>(D) Contract \$443</p> <p>(E) In-House \$266</p> <p>4. Contract Award 112004</p> <p>5. Construction Start 122004</p> <p>6. Construction Complete 042006</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.</p> <p>Activity POC: DAVID DAVIS Phone No: (757)-887-4338</p>				

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04
3. Installation and Location: N32416 NAVAL STATION BREMERTON BREMERTON, WASHINGTON		4. Command Commander, Navy Region Northwest
		5. Area Const Cost Index 1.2
6. Personnel		
	PERMANENT	STUDENTS
	SUPPORT	Total
a. As Of	OFFICER	ENLISTED
	CIVILIAN	OFFICER
	ENLISTED	CIVILIAN
	OFFICER	ENLISTED
	CIVILIAN	CIVILIAN
09/30/03	555	6343
	8957	0
	0	0
	0	375
	0	0
	0	0
b. End FY 2008	428	4284
	8957	0
	0	0
	0	375
	0	2012
	0	0
		18242
		16056
<b>7. INVENTORY DATA (\$000)</b>		
a. TOTAL ACREAGE .....( 1,016 Acres).....		
b. INVENTORY AS OF 30 Sep 2003 .....		1,288,848
c. AUTHORIZATION NOT YET IN INVENTORY.....		71,284
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....		34,125
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....		40,000
f. PLANNED IN NEXT THREE PROGRAM YEARS .....		106,794
g. REMAINING DEFICIENCY .....		174,831
<b>h. GRAND TOTAL .....</b>		<b>1,715,882</b>
8. Projects Requested In This Program		
<u>Category</u>		<u>Cost</u>
<u>Code</u> <u>Project Title</u>	<u>Scope</u>	<u>(\$000)</u>
		<u>Design Status</u>
		<u>Start</u> <u>Complete</u>
72111    BEQ HOMPOR ASHORE INC I	63162 m2	34125
		08/2002    04/2005
TOTAL		34125
9. Future Projects:		
a. Included In The Following Program:		
72111    BEQ HOMEPOR ASHORE INC II	0 LS	40000
TOTAL		40000
b. Major Planned Next Three Years:		
21925    PUBLIC WORKS FACILITY	6079 M2	10400
61010    CENTRALIZED MISSION SPT	13186 M2	38234
73010    FIRE STATION AT MANCHESTER	642 M2	3060
73020    EMERGENCY RESPONSE BLDG	3497 M2	14100
74043    FLEET RECREATION COMPLEX	11500 M2	41000
TOTAL		106794
c. R&M Unfunded Requirement (\$000):	167,000	
10. Mission or Major Functions:		
Naval Station Bremerton provides harbor and waterfront facilities, exchange, personnel support, athletic, recreational, berthing, messing, morale, and other logistics facilities. It is homeport to one CVN and four AOE's and is adjacent to Puget Sound Naval Shipyard in the Bremerton Naval Complex.		
11. Outstanding Pollution and Safety Deficiencies (\$000):		
a. Pollution Abatement(*): \$ 0		
b. Occupational Safety and Health (OSH) (#): \$ 0		

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N32416 NAVAL STATION BREMERTON BREMERTON, WASHINGTON		4.Project Title BACHELOR ENLISTED QTRS HOMEPORT ASHORE (INCR I)	
5.Program Element 0212276N	6.Category Code 72111	7.Project Number P305	8.Project Cost (\$000) Auth 74,125 Approp 34,125 Auth for Approp 34,125

**9. COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
BACHELOR ENLISTED QTRS HOMEPORT ASHORE (INCR I) (679,870 SF)	m2	63,162		49360
PARKING GARAGE (530,682 SF)	m2	49,302	386.96	(19080)
BEQ (149,188 SF)	m2	13,860	1,771.14	(24550)
BUILT-IN EQUIPMENT	LS			(1740)
TECHNICAL OPERATING MANUALS	LS			(530)
INFORMATION SYSTEMS	LS			(310)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1520)
SPECIAL COSTS	LS			(1630)
SUPPORTING FACILITIES				14930
SPECIAL CONSTRUCTION FEATURES	LS			(6400)
ELECTRICAL UTILITIES	LS			(2320)
MECHANICAL UTILITIES	LS			(1530)
ANTI-TERRORISM/FORCE PROTECTION	LS			(50)
DBC (DESIGN-BUILD COMMISSIONING)	LS			(2530)
PAVING AND SITE IMPROVEMENT	LS			(2100)
SUBTOTAL				64290
CONTINGENCY (5%)				3210
TOTAL CONTRACT COST				67500
SIOH (6%)				4050
SUBTOTAL				71550
DESIGN/BUILD - DESIGN COST				2570
LESS INCREMENT II FUNDING	LS			-40000
TOTAL REQUEST ROUNDED				34120
TOTAL REQUEST				34125

**10. Description of Proposed Construction**

Project constructs 198 "1+1 Enhanced" modules with two private sleeping/living room areas, a shared bathroom and kitchenette, with a stacked washer/dryer in the common area.

Intended Utilization: E1-E4(<4 years) - 396 pn

Maximum Utilization: E1-E4(<4 years) - 396 pn

The construction will include a multi-story reinforced concrete structure with concrete masonry unit (CMU) centerline walls; metal stud partition walls with brick veneer exterior; concrete foundations and floors; standing seam metal roof; and double glazed, insulated, aluminum framed windows. The building will contain a lobby, communal areas, and vending area. Provide elevators, utilities, and fire protection system. A heating, ventilating and air conditioning (HVAC) system will be installed to include air

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N32416 NAVAL STATION BREMERTON BREMERTON, WASHINGTON		4.Project Title BACHELOR ENLISTED QTRS HOMEPORT ASHORE (INCR I)		
5.Program Element 0212276N	6.Category Code 72111	7.Project Number P305	8.Project Cost (\$000) Auth 74,125 Approp 34,125 Auth for Approp 34,125	

conditioning, continuous exhaust, and conditioned make up air. Finally the building will contain cable TV, computer modem and telephone hook ups. Technical operating manuals will be provided.

The project will comply with the recent Department of Defense anti-terrorism/force protection construction standards. Special costs include energy adjustment, brick exterior walls, a sloping metal roof, and a pedestrian bridge. Built-in equipment includes room and parking access control systems and elevators. Information systems includes Navy Marine Corps Intranet (NMCI) criteria, local area network (LAN), telephone and fiber optic wiring. Special construction features include contractor coordination, seismic construction, traffic mitigation, and the use of tower cranes during construction.

This is the second Bachelor Enlisted Quarters (BEQ) of a planned complex of multiple BEQs and a shared parking garage. This project will also construct an additional 1,494 automobile parking spaces onto an existing multi-level parking garage, that was designed and started by the first BEQ project.

Electrical utilities for the complex include upgrading the existing 8-megawatt infrastructure to 16-megawatt capacity. This requires a new duct bank and wiring from Substation 100 to the substation at the site installed by the first BEQ project. This upgrade is split between this project and the first BEQ project for the complex. Water utilities for the complex will include a looped 12" water main to serve domestic and fire service, an 8" fire main extension from an existing fire pump for building sprinklers, and a 12" looped water main extension tied into the existing water booster main. The other BEQ projects when completed will result in an on-site looped water system for the complex. The project will provide steam to the BEQ and provide loop feed to the first BEQ. The other BEQ projects when completed will result in an on-site looped steam system for the complex. This project will connect to the Sanitary System that was replaced by the first BEQ project and complete the upgrade of the system from the site to the lift station. Storm Sewer requirements for this project would overload the existing piping to the receiving basin, which is currently operating at capacity. This project will replace only that piping necessary to meet the requirements for this project. The other BEQ projects will replace additional piping as required.

This project has been selected for the Design Build Commission Program. Therefore, it includes additional design cost. Sustainable design principles will be integrated into the design, development, and construction of the project in accordance with Executive

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N32416 NAVAL STATION BREMERTON BREMERTON, WASHINGTON		4.Project Title BACHELOR ENLISTED QTRS HOMEPORT ASHORE (INCR I)	
5.Program Element 0212276N	6.Category Code 72111	7.Project Number P305	8.Project Cost (\$000) Auth 74,125 Approp 34,125 Auth for Approp 34,125

Order 13123 and other laws and executive orders.

**11.Requirement:**            1019PN                    **Adequate:**        264PN                    **Substandard:**        OPN

**PROJECT:**

This project provides Bachelor Enlisted Quarters for 396 E1-E4(<4 years) and associated parking structure.

**(Current Mission)**

**REQUIREMENT:**

Sufficient adequate and efficiently configured housing is required for enlisted personnel attached to ships homeported at Naval Station Bremerton. The Bremerton Naval Complex currently serves two primary missions. The first mission, and the one with the oldest tradition, is that of a shipyard. At Puget Sound Naval Shipyard the typical complement of ships in overhaul is one carrier, one combatant or auxiliary surface ship, one submarine in overhaul and six submarine inactivations and/or disposals (Recycling).

**CURRENT SITUATION:**

The Bremerton Naval Complex currently has a shortage of transient E1-E4 bachelor enlisted quarters. To ease the shortage, the Bremerton Naval Complex has leased rooms at various hotels and motels within a 50-mile radius of the Bremerton Naval Complex.

In addition, transportation must be provided from these extended sites located in the Cities of Tacoma and Fife. A comprehensive Bachelor Housing Plan was prepared for the Bremerton Naval Complex. Utilizing the current criteria for housing transient personnel and all the bachelor housing resources available, the Bremerton Complex has still has a housing deficit for 945 enlisted Sailors.

The Bremerton Naval Complex's homeports one Attack Carrier Nuclear (CVN) and four Fast Combat Support Ships (AOEs). The Chief of Naval Operations (CNO) initiative to house single Sailors on shore vice onboard ship further exacerbates an already critical shortfall in available berthing spaces and cannot be met with the resources currently available.

**IMPACT IF NOT PROVIDED:**

The Bremerton Naval Complex will continue to have a shortage of BEQ space available for the permanent party E1-E4(<4 years) currently stationed onboard homeported ships at Bremerton. The lack of facilities providing the required living conditions essential to morale, quality of life, and retention of trained personnel will be inadequate to meet the present and future needs of Fleet personnel. With the current resources available

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N32416 NAVAL STATION BREMERTON BREMERTON, WASHINGTON		4.Project Title BACHELOR ENLISTED QTRS HOMEPORT ASHORE (INCR I)	
5.Program Element 0212276N	6.Category Code 72111	7.Project Number P305	8.Project Cost (\$000) Auth 74,125 Approp 34,125 Auth for Approp 34,125
the Bremerton Naval Complex will be unable to comply with the CNO initiative to house single Sailors on shore vice onboard ship.			

**12. Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	082002
(B) Date Design 35% Complete	092004
(C) Date Design Completed	042005
(D) Percent Completed as of SEPTEMBER 2003	3%
(E) Percent Completed as of JANUARY 2004	3%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design:	No
(B) Where Design Was Most Recently Used:	N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :	\$580
(A) Production of Plans and Specifications	\$500
(B) All other Design Costs	\$80
(C) Total	\$580
(D) Contract	\$80
(E) In-House	\$500

4. Contract Award	012005
5. Construction Start	042005
6. Construction Complete	042007

B. Equipment associated with this project which will be provided from other appropriations: None

C. FY 2003 R&M Conducted (\$000):	\$35,228
D. FY 2004 R&M Conducted (\$000):	\$4,602
E. Future R&M Requirements (\$000):	\$1,322



1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04
----------------------	--	---------------------

3. Installation and Location: N00251 PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON	4. Command Commander, Navy Region Northwest	5. Area Const Cost Index 1.2
---	---	------------------------------------

6. Personnel										
	PERMANENT			STUDENTS			SUPPORT			Total
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	555	6343	8957	0	0	0	375	0	0	18242
b. End FY 2008	428	4284	8957	0	0	0	375	2012	0	16056

<b>7. INVENTORY DATA (\$000)</b>	
a. TOTAL ACREAGE .....( 3,586 Acres).....	
b. INVENTORY AS OF 30 Sep 2003 .....	817,850
c. AUTHORIZATION NOT YET IN INVENTORY.....	89,700
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....	20,305
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....	0
f. PLANNED IN NEXT THREE PROGRAM YEARS .....	153,780
g. REMAINING DEFICIENCY .....	104,879
<b>h. GRAND TOTAL .....</b>	<b>1,186,514</b>

8. Projects Requested In This Program				
<u>Category</u>			<u>Cost</u>	<u>Design Status</u>
<u>Code</u>	<u>Project Title</u>	<u>Scope</u>	<u>(\$000)</u>	<u>Start</u> <u>Complete</u>
21370	CVN MAINTENANCE COMPLEX	6087 m2	20305	08/2002 04/2005
	TOTAL		20305	

9. Future Projects:				
a. Included In The Following Program:				
None				
b. Major Planned Next Three Years:				
15120	CVN MAINT PIER REPLACEMENT	18228 M2	38600	
15120	CVN MAINT PIER REPL INC II	18228 M2	32800	
15150	SHIP REPAIR PIER 3 IMPVS	670 LM	5680	
15520	PIER 7 IMPROVEMENTS	213 LM	3900	
21352	PRODUCTION SHOP CONSOLIDATION	51787 M2	46000	
21820	CONSOLIDATED CRANE FACS	4627 M2	15000	
61010	SEISMIC IMPROVEMENTS	8369 M2	11800	
	TOTAL		153780	
c. R&M Unfunded Requirement (\$000):		3,000		

10. Mission or Major Functions:

It is the mission of naval shipyards to maintain, modernize, and provide emergency repair of naval ships as directed. To accomplish this mission, it is imperative that Navy retain access to essential waterfront areas that contain unique drydock and work spaces. It is also imperative that we guarantee a competitive base for ship repair and retain a skilled work force which supports the Navy being a knowledgeable consumer of nuclear and conventional ship construction and repair services.

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04
3. Installation and Location: N00251 PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON	4. Command Commander, Navy Region Northwest	5. Area Const Cost Index 1.2
<p>11. Outstanding Pollution and Safety Deficiencies (\$000):</p> <p>a. Pollution Abatement(*): \$ 0</p> <p>b. Occupational Safety and Health (OSH) (#): \$ 0</p>		

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00251 PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON		4.Project Title CVN MAINTENANCE COMPLEX		
5.Program Element 0703676N	6.Category Code 21370	7.Project Number P346	8.Project Cost (\$000) 20,305	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
CVN MAINTENANCE COMPLEX (65,520 SF)	m2	6,087		13240
COVERED STORAGE (4,058 SF)	m2	377	690.00	(260)
SHIPS SERVICES SUPPORT BUILDING (61,462 SF)	m2	5,710	1,748.00	(9980)
BUILT-IN EQUIPMENT	LS			(490)
TECHNICAL OPERATING MANUALS	LS			(130)
INFORMATION SYSTEMS	LS			(40)
ANTI-TERRORISM/FORCE PROTECTION	LS			(2190)
SPECIAL COSTS	LS			(150)
SUPPORTING FACILITIES				4370
SPECIAL CONSTRUCTION FEATURES	LS			(880)
ELECTRICAL UTILITIES	LS			(590)
MECHANICAL UTILITIES	LS			(240)
PAVING AND SITE IMPROVEMENTS	LS			(140)
DEMOLITION	LS			(2450)
ANTI-TERRORISM/FORCE PROTECTION	LS			(70)
SUBTOTAL				17610
CONTINGENCY (5%)				880
TOTAL CONTRACT COST				18490
SIOH (6%)				1110
SUBTOTAL				19600
DESIGN/BUILD - DESIGN COST				700
TOTAL REQUEST ROUNDED				20300
TOTAL REQUEST				20305
<b>10.Description of Proposed Construction</b>				
<p>Constructs a multi-function, two-story building within the footprint of existing Building 426, which will be demolished, and constructs an adjacent one-story covered storage facility. New construction will provide properly configured production shop space, including jib cranes, monorail, passenger and freight elevators, covered and secured storage for high value and hazardous materials, outdoor covered storage, and will support worker quality-of-life with lunch room, showers and restrooms.</p> <p>Project construction will meet minimum anti-terrorism standards. Mitigation costs have been included in project where standoffs are not attainable. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. This project demolishes Building 426 - 4,964 m2 (53,430 SF) and eliminates temporary shelters and trailers - 743 m2 (8,000 SF). Total infrastructure reduction for this project is 5,707 m2 (61,430 SF). Special construction features include pile foundation. Special costs include sloped metal roof. Built-in equipment includes elevators, jib cranes, lockers, and monorail.</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N00251 PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON		4.Project Title CVN MAINTENANCE COMPLEX		
5.Program Element 0703676N	6.Category Code 21370	7.Project Number P346	8.Project Cost (\$000) 20,305	

**11.Requirement:** 6087m2                      **Adequate:** 0m2                      **Substandard:** 0m2

**PROJECT:**

New construction will provide a dedicated aircraft carrier (CVN) maintenance complex at Dry Dock 6 and Pier B.

**(Current Mission)**

**REQUIREMENT:**

An adequate facility, designed for Project Team Management, is required to support the ship services function for Dry Dock 6 and Pier B at Puget Sound Naval Shipyard. Reorganizing to manage ship maintenance and repair by Project Teams recently replaced the past practice of using back shops. Project Team Management uses an integrated workforce team with the right mix of skills to accomplish a specific availability. A facility strategically located at the head of Dry Dock 6 and Pier B will greatly enhance production capability and efficiency for ship repair. An adequate facility is required to support the modern demands on the shipyard, which are vastly different than the demands for which existing facilities were originally constructed. Scheduled ship's availabilities necessitate a facility that will enhance production capability and efficiently. This facility must support a workforce of over 2,000 people per day and their associated processes and equipment. Currently temporary laydown and personnel support spaces (i.e., restrooms, showers, mustering area) at Dry Dock 6 and Pier B are severely deficient. The proposed project will add necessary production capability, reduce congestion and eliminate unsafe conditions, and reduce expensive and time-consuming material movements.

**CURRENT SITUATION:**

Back shop facilities and current waterfront facilities inadequately support Project Team Management. Facilities in the Dry Dock 6 and Pier B area were never designed to support Project Management but have been adopted as best possible to meet Project Team Management needs. The full benefits of overhauling ships via Project Management won't be realized until waterfront facilities are designed specifically for Project Team Management.

Dry Dock 6 is the largest dry dock on the West Coast and is the only dry dock that can be used for a CVN dry-docking planned incremental availability (DPIA). Dry-docking preparatory and follow up work is done at Pier B, which is next to Dry Dock 6. Pier B and Dry Dock 6 also accommodate other availabilities. A typical CVN DPIA will employ over 2,000 people per day, all working in the Dry Dock 6 and Pier B area. Facilities at Dry Dock 6 and Pier B were not designed to meet today's new organizational approach for ship's repair and maintenance or today's workload. Present and future workload at Dry Docks 6 and Pier B include CVN dry-docking availabilities, Trident availabilities, and emergent operational repair and maintenance of other Navy platforms. Facilities at Dry Dock 6 and Pier B fail to meet current project needs for several

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N00251 PUGET SOUND NAVAL SHIPYARD BREMERTON, WASHINGTON		4.Project Title CVN MAINTENANCE COMPLEX	
5.Program Element 0703676N	6.Category Code 21370	7.Project Number P346	8.Project Cost (\$000) 20,305

reasons. Temporary facilities are taking up much needed waterfront space. Adequate permanent space is lacking and temporary facilities must be used to meet project needs. These temporary structures inefficiently make use of valuable waterfront space, resulting in an overall lack of space and congestion. The consequences of this lack of space are: insufficient and inadequate space for minor shop support, unsafe congestion, limited room for laydown, increased material handling, and insufficient/inadequate storage. Components are sometimes damaged due to exposure to the elements and absence of temperature control.

**IMPACT IF NOT PROVIDED:**

This project is needed to efficiently support CVN DPIAs. Without this project, the full benefits of overhauling ships via Project Management won't be realized. Waterfront facilities must be designed specifically for the needs of Project Team Management. The area near Dry Dock 6 and Pier B will remain cluttered with temporary facilities that do not adequately support either present or future workload. This situation affects the Shipyard's ability to perform both nuclear and non-nuclear support work in a cost effective manner. This causes higher costs, which ultimately effects fleet readiness.

**12. Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	082002
(B) Date Design 35% Complete	092004
(C) Date Design Completed	042005
(D) Percent Completed as of SEPTEMBER 2003	3%
(E) Percent Completed as of JANUARY 2004	3%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design:	No
(B) Where Design Was Most Recently Used:	N/A

3. Total Cost (C) = (A) + (B) = (D) + (E) : \$580

(A) Production of Plans and Specifications	\$500
(B) All other Design Costs	\$80
(C) Total	\$580
(D) Contract	\$80
(E) In-House	\$500

4. Contract Award 012005

5. Construction Start 042005

6. Construction Complete 042007



1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: N63402 STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON		4. Command Commander, Navy Region Northwest								
		5. Area Const Cost Index 1.19								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	530	5459	2876	0	0	0	33	0	0	8932
b. End FY 2008	507	5224	2876	0	0	0	33	34	0	8674
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									148,401
c.	AUTHORIZATION NOT YET IN INVENTORY.....									12,479
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									35,770
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									91,000
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									47,590
g.	REMAINING DEFICIENCY .....									120,770
h.	<b>GRAND TOTAL .....</b>									<b>456,010</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
21650	LIMITED AREA PRODUCTION/STORAGE CPLX				16000 m2	35770	08/2002	09/2004		
TOTAL						35770				
9. Future Projects:										
a. Included In The Following Program:										
21650	LIMITED AREA PROCESS & STG CMLPX II				16000 M2	50000				
87210	ENCLAVE FENCING & PARKING				0 LS	41000				
TOTAL						91000				
b. Major Planned Next Three Years:										
21650	LA PROCESS & STG CMLPX III				16000 M2	45320				
81110	U&SI/WTRFRNT SEC EMER GEN				0 LS	2270				
TOTAL						47590				
c. R&M Unfunded Requirement (\$000): 0										
10. Mission or Major Functions:										
Provide support on west coast for the operational TRIDENT system of submarines and long range missiles, including processing capability for assembly and disassembly of both explosive and non-explosive components of the TRIDENT II (D-5) missile.										
Note: Block 6a and 6b personnel strength numbers are for the Host Activity, N68436 SUBBASE, Bangor, Washington.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N63402 STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON		4.Project Title LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC)	
5.Program Element 0212476N	6.Category Code 21650	7.Project Number P973	8.Project Cost (\$000) Auth 131,090 Approp 35,770 Auth for Approp 35,770

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC) (172,223 SF)	m2	16,000		97640
PRODUCTION/STORAGE COMPLEX (172,223 SF)	m2	16,000	4,265.00	(68240)
BUILT-IN EQUIPMENT	LS			(1470)
TECHNICAL OPERATING MANUALS	LS			(1180)
INFORMATION SYSTEMS	LS			(1770)
ANTI-TERRORISM/FORCE PROTECTION	LS			(340)
SPECIAL COSTS	LS			(24640)
SUPPORTING FACILITIES				20140
SPECIAL CONSTRUCTION FEATURES	LS			(560)
ELECTRICAL UTILITIES	LS			(2160)
MECHANICAL UTILITIES	LS			(40)
PAVING AND SITE IMPROVEMENTS	LS			(14730)
DEMOLITION	LS			(1350)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1300)
SUBTOTAL				117780
CONTINGENCY (5%)				5890
TOTAL CONTRACT COST				123670
SIOH (6%)				7420
SUBTOTAL				131090
LESS INCREMENT II AND III FUNDING	LS			-95320
TOTAL REQUEST ROUNDED				35770
TOTAL REQUEST				35770
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(11939)

**10.Description of Proposed Construction**

Construct a reinforced concrete, underground, multi-level re-entry body processing and storage facility. This facility includes a reinforced concrete foundation, hardened floors, and hardened load-bearing walls and roof. Fire protection and alarm systems and a security intrusion detection and alarm system are provided. Environmental control is required for all spaces and a temporary hazardous waste storage area and a hazardous waste collection tank will be provided. The existing Limited Area (LA) perimeter security zone and patrol roads will be expanded to encompass the new LAPSC. Portions of the existing LA perimeter will be demolished to provide new access roads. New security guard towers will be constructed. Work will be conducted in the very high security Strategic Weapons Facility Pacific (SWFPAC) Limited Area. Anti-Terrorism/Force Protection features are included.

Built-in equipment includes adjustable dock levelers, seven 2-ton bridge cranes and three elevators. Information systems include telephone and communications systems,

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N63402 STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON		4.Project Title LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC)		
5.Program Element 0212476N	6.Category Code 21650	7.Project Number P973	8.Project Cost (\$000) Auth 131,090 Approp 35,770 Auth for Approp 35,770	
<p>Secret Internet Protocol Router Network, and telecommunication connections at workstations. Special costs include seismic construction, structural excavation, special foundations and blast features, earth cover, lightweight concrete weapons isolation component separation wall storage areas and a thick slab-on-grade above the underground structure.</p> <p>Supporting facilities include special foundations, underground electrical and mechanical systems, emergency generator in a hardened shelter, lightning protection and communications. Special construction features include the requirement to pass through security screening prior to entrance and exit, the requirement to furnish escorts, the loss of time due to security and operational drills, the need to construct temporary enclave fencing, the requirement to keep the existing Limited Area in operation during construction, and sustainable development features. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.</p> <p>Demolition includes 2,630 m2 of existing inadequate re-entry buildings (buildings 6007 and 6595) and 5,450 m2 of existing inadequate re-entry body magazines (buildings 6200 through 6220 inclusive, 21 magazines total).</p>				
<p><b>11.Requirement:</b>                    <u>16000m2</u>                    <b>Adequate:</b>                    <u>0m2</u>                    <b>Substandard:</b>                    <u>0m2</u></p> <p><b>PROJECT:</b> This project provides a Limited Area Production and Storage Complex (LAPSC). <b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b> The Limited Area Production and Storage Complex is required for the receipt/shipment, inspection, assembly, checkout, and maintenance and storage of TRIDENT II tactical and instrumented re-entry bodies. The construction of this facility is proposed for FY2005 in support of TRIDENT II missile production.</p> <p><b>CURRENT SITUATION:</b> A TRIDENT II re-entry body receipt, shipping, processing, and storage capability does not currently exist to meet projected deliveries and processing requirements.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Strategic Weapons Facility Pacific will be incapable of providing adequate re-entry body receipt, shipping, processing, and storage in support of the Strategic Weapons Facility production operations. A single underground protected structure provides the most robust protection for fulfilling this mission against all threats.</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N63402 STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON		4.Project Title LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC)	
5.Program Element 0212476N	6.Category Code 21650	7.Project Number P973	8.Project Cost (\$000) Auth 131,090 Approp 35,770 Auth for Approp 35,770

**12. Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	082002
(B) Date Design 35% Complete	012004
(C) Date Design Completed	092004
(D) Percent Completed as of SEPTEMBER 2003	2%
(E) Percent Completed as of JANUARY 2004	35%
(F) Type of Design Contract	Design Bid Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design:	No
(B) Where Design Was Most Recently Used:	N/A

3. Total Cost (C) = (A) + (B) = (D) + (E) : \$9,423

(A) Production of Plans and Specifications	\$7,067
(B) All other Design Costs	\$2,356
(C) Total	\$9,423
(D) Contract	\$5,889
(E) In-House	\$3,534

4. Contract Award 112004

5. Construction Start 122004

6. Construction Complete 082007

B. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>
MAINTENANCE WORKSTATIONS	WPN	2005	\$2,883.53
SECURITY SYSTEMS, SENSORS, TOOLS, TESTING	OMN	2006	\$5,055.52
EQUIP			
SECURITY SYSTEMS, WEAPONS, INTRUSION DETECTION SYS	OPN	2007	\$4,000

JOINT USE CERTIFICATION:

The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N63402 STRATEGIC WEAPONS FACILITY PACIFIC SILVERDALE, WASHINGTON		4.Project Title LIMITED AREA PRODUCTION & STORAGE COMPLEX (LAPSC)	
5.Program Element 0212476N	6.Category Code 21650	7.Project Number P973	8.Project Cost (\$000) Auth 131,090 Approp 35,770 Auth for Approp 35,770

components on an as available basis; however, the scope of the project is based on Navy requirements.

Activity POC: Theo Craigg

Phone No: 360 396-8646

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: NC1002 VARIOUS LOCATIONS WORLDWIDE	4. Command Commander, Navy Region Naval District Washington	5. Area Const Cost Index 1.02								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	0	0	0	0	0	0	0	0	0	0
b. End FY 2008	0	0	0	0	0	0	0	0	0	0
<b>7. INVENTORY DATA (\$000)</b>										
a. TOTAL ACREAGE .....	( Acres).....									
b. INVENTORY AS OF 30 Sep 2003 .....										0
c. AUTHORIZATION NOT YET IN INVENTORY.....										11,500
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....										98,560
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....										79,100
f. PLANNED IN NEXT THREE PROGRAM YEARS .....										98,225
g. REMAINING DEFICIENCY .....										2,753
<b>h. GRAND TOTAL .....</b>										<b>290,138</b>
8. Projects Requested In This Program										
<u>Category</u>				<u>Cost</u>	<u>Design Status</u>					
<u>Code</u>	<u>Project Title</u>		<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>				
21105	PRESIDENTIAL AIRCRAFT MAINT HANGAR (WHITE SIDE)		16746 m2	18560	12/2003	08/2005				
31125	PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FACILITY		18143.76 n	80000	12/2003	04/2005				
TOTAL				98560						
9. Future Projects:										
a. Included In The Following Program:										
11320	AIRCRAFT TAXIWAY/PARKING APRON		42898 MW	7920						
21105	MAINTENANCE HANGAR TYPE I		2115 M2	11000						
21105	PRESIDENTIAL AIRCRAFT MAINTENANCE HANGAR COMPLEX II		0 LS	34098						
31125	PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FACILITY II		18143 M2	25982						
61010	GDIP MARINE CORPS		0 LS	100						
TOTAL				79100						
b. Major Planned Next Three Years:										
15210	WHARF UPGRADE		0 LS	27200						
61010	GDIP MARINE CORPS		0 LS	3500						
61010	GDIP PBD 339		0 LS	14000						
61010	GDIP MARINE CORPS		0 LS	250						
61010	GDIP PBD 339		0 LS	49235						
61010	GDIP PBD 339		0 LS	4040						
TOTAL				98225						
c. R&M Unfunded Requirement (\$000): 0										
10. Mission or Major Functions:										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04
3.Installation and Location: NC1002 VARIOUS LOCATIONS WORLDWIDE	4.Command Commander, Navy Region Naval District Washington	5.Area Const Cost Index 1.02
Logistics and maintenance support to Naval support units as assigned.		
11. Outstanding Pollution and Safety Deficiencies (\$000): a. Pollution Abatement(*): \$ 0 b. Occupational Safety and Health (OSH) (#): \$ 0		

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE		4.Project Title PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FACILITY	
5.Program Element 0805376N	6.Category Code 31125	7.Project Number P159	8.Project Cost (\$000) Auth 105,982 Approp 80,000 Auth for Approp 80,000

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FACILITY (195,298 SF)	m2	18,143.76		52550
AIR OPERATIONS CONTROL TOWER (6,997 SF)	m2	650	6,507.00	(4230)
RESEARCH AND DEVELOPMENT HANGAR (121,088 SF)	m2	11,249.4	2,088.36	(23490)
IPT & ITT OFFICE SPACES (38,964 SF)	m2	3,619.85	1,545.08	(5590)
LAB SPACES (28,250 SF)	m2	2,624.51	2,373.95	(6230)
BUILT-IN EQUIPMENT	LS			(6710)
TECHNICAL OPERATING MANUALS	LS			(520)
INFORMATION SYSTEMS	LS			(1620)
ANTI-TERRORISM/FORCE PROTECTION	LS			(4160)
SUPPORTING FACILITIES				39360
SPECIAL CONSTRUCTION FEATURES	LS			(9530)
SPECIAL FOUNDATION FEATURES	LS			(3510)
ELECTRICAL UTILITIES	LS			(2090)
MECHANICAL UTILITIES	LS			(5680)
PAVING AND SITE IMPROVEMENTS	LS			(8850)
DEMOLITION	LS			(1270)
AIRFIELD TOWER RELOCATION	LS			(5290)
BONDED STORAGE FACILITY	LS			(240)
HAZARDOUS MATERIAL BUILDING	LS			(280)
PAINT FACILITY	LS			(2440)
SECURITY FACILITY	LS			(180)
SUBTOTAL				91910
CONTINGENCY (5%)				4600
TOTAL CONTRACT COST				96510
SIOH (6%)				5790
SUBTOTAL				102300
DESIGN/BUILD - DESIGN COST				3680
LESS INCREMENT II FUNDING	LS			-25982
TOTAL REQUEST ROUNDED				79998
TOTAL REQUEST				80000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(4500)

**10.Description of Proposed Construction**

This project shall construct an eight-bay hangar for Presidential Helicopter Development, Test, and Support to include spaces for engineering and testing, labs, maintenance, program office, security facility, hazardous material facility, control tower, Secure Compartmented Information Facility (SCIF), paint facility, bonded storage facility, flight equipment, wash rack and storage. Construction for hangar consists of pile foundation, structural floors, concrete masonry and insulated metal panel walls,

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE		4.Project Title PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FACILITY	
5.Program Element 0805376N	6.Category Code 31125	7.Project Number P159	8.Project Cost (\$000) Auth 105,982 Approp 80,000 Auth for Approp 80,000

sliding hangar doors, steel truss roof structure, and insulated roof system. Interior system requirements include bridge crane, aircraft scale, AFFF (Aqueous Film Forming Foam) sprinkler, oil/water separator, 400 Hz power, infrared heating, emergency power, security fencing, intrusion detection, and information systems. Additional items include electrical, elevators, computer flooring, mechanical, lab cooling units, heating, ventilation and air conditioning (HVAC). Site improvements include utility extensions, aircraft apron, vehicle parking and roadways, sidewalks and landscaping. The construction of this project will include counter-terrorism measures in compliance with the minimum construction standards. This project also includes water, sanitary sewer, electrical uninterrupted power supply (UPS), communication cables and information cables housed in concrete ducts.

**11.Requirement:**                    18144m2                    **Adequate:**                    0m2                    **Substandard:**                    0m2

**PROJECT:**

This project will construct a facility to house the Presidential helicopter support mission and support facilities.

**(New Mission)**

**REQUIREMENT:**

Adequate facilities are required to support the Presidential helicopter mission, which includes system development, test and evaluation of the next generation replacement aircraft, as well as engineering, logistics and maintenance support of in-service aircraft.

At the request of the White House and the Office of Management and Budget, the Under Secretary of Defense (Acquisition, Technology and Logistics) and the Assistant Secretary of the Navy (Research, Development and Acquisition) have directed the development of a new VXX Presidential support helicopter to replace the current VH fleet. Combined with the on-going engineering efforts associated with the in-service VH fleet, the rapid VXX program acceleration will require a substantial Presidential support test and evaluation effort and footprint. With the VXX development scheduled to occur in increments over time, there will be an extended period during which both the in-service fleet engineering efforts as well as the incremental VXX development efforts will be required, with a standing requirement for the long-term life-cycle engineering, logistics, and maintenance support of the Presidential fleet.

Studies are currently underway to compare VXX requirements for hangar space, administrative facilities, and air space with available assets at Department of Defense facilities in the National Capital Region. The results of these studies will determine

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE		4.Project Title PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FACILITY	
5.Program Element 0805376N	6.Category Code 31125	7.Project Number P159	8.Project Cost (\$000) Auth 105,982 Approp 80,000 Auth for Approp 80,000

the most cost effective means to provide facility support for the VXX program.

**CURRENT SITUATION:**

Government and industry efforts to provide program, research and development, test, evaluation, maintenance and logistics for the development and life-cycle support of the Presidential Helicopter Mission are currently located in Stratford, CT, and NAS Patuxent River, MD. Additionally, existing facilities at NAS Patuxent River, MD, capable of meeting the new Presidential support mission requirements are either occupied or obligated for other aircraft programs. The Presidential Helicopter Mission envisions an integrated development, test and support facility that avoids the current geographic separation of Presidential Helicopter mission functions and facilities.

**IMPACT IF NOT PROVIDED:**

If the proposed facilities are not constructed, there will be an increased risk of failing to meet the initial operating capability date directed by the White House, the Office of Management and Budget, the Under Secretary of Defense (Acquisition, Technology and Logistics), and the Assistant Secretary of the Navy (Research, Development and Acquisition).

**12. Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	122003
(B) Date Design 35% Complete	052004
(C) Date Design Completed	042005
(D) Percent Completed as of SEPTEMBER 2003	0%
(E) Percent Completed as of JANUARY 2004	2%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design:	Yes
(B) Where Design Was Most Recently Used:	Hangar 2133

3. Total Cost (C) = (A) + (B) = (D) + (E) :

	\$4,220
(A) Production of Plans and Specifications	\$3,165
(B) All other Design Costs	\$1,055
(C) Total	\$4,220
(D) Contract	\$1,055
(E) In-House	\$3,165

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE		4.Project Title PRESIDENTIAL HELICOPTER PROGRAMS SUPPORT FACILITY	
5.Program Element 0805376N	6.Category Code 31125	7.Project Number P159	8.Project Cost (\$000) Auth 105,982 Approp 80,000 Auth for Approp 80,000
4. Contract Award		112004	
5. Construction Start		042005	
6. Construction Complete		042006	
B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>	<u>Cost</u>
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u> <u>Or Requested</u>	<u>(\$000)</u>
Interior Wiring	OPN	2006	\$1,000
SIPRNET/JWICS	OPN	2006	\$1,000
NMCI	OPN	2006	\$1,000
Interior Security (ADT)	OPN	2006	\$1,500
JOINT USE CERTIFICATION:			
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.			
Activity POC: Colonel Frank Mazur		Phone No: (301) 757-5782	

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE		4.Project Title PRESIDENTIAL AIRCRAFT MAINT HANGAR (WHITE SIDE)	
5.Program Element 0206496M	6.Category Code 21105	7.Project Number P448	8.Project Cost (\$000) Auth 52,658 Approp 18,560 Auth for Approp 18,560

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
PRESIDENTIAL AIRCRAFT MAINT HANGAR (WHITE SIDE) (180,252 SF)	m2	16,746		38500
HANGAR COMPLEX (180,252 SF)	m2	16,746	1,885.10	(31570)
BUILT-IN EQUIPMENT	LS			(3880)
TECHNICAL OPERATING MANUALS	LS			(300)
INFORMATION SYSTEMS	LS			(230)
ANTI-TERRORISM/FORCE PROTECTION	LS			(1260)
SPECIAL COSTS	LS			(1260)
SUPPORTING FACILITIES				7160
ELECTRICAL UTILITIES	LS			(2690)
MECHANICAL UTILITIES	LS			(1020)
PAVING AND SITE IMPROVEMENT	LS			(2050)
SITE PREPARATION	LS			(1400)
SUBTOTAL				45660
CONTINGENCY (5%)				2280
TOTAL CONTRACT COST				47940
SIOH (6%)				2880
SUBTOTAL				50820
DESIGN/BUILD - DESIGN COST				1830
LESS INCREMENT II FUNDING	LS			-34098
TOTAL REQUEST ROUNDED				18552
TOTAL REQUEST				18560

**10.Description of Proposed Construction**

Provide 5 modules of Type I hangar space and adjacent administrative and support areas on reinforced concrete slab and pile foundation with structural steel frame, concrete masonry unit (CMU) and brick infill walls, standing seam metal siding and standing seam metal roof. Special costs include architecture to match existing architecture. Built-in equipment includes mass notification intercom, heating, ventilation and air conditioning, plumbing, and appropriate fire suppression systems. Construction includes a vaulted room to meet Sensitive Compartmented Information Facility (SCIF) security standards. Provide an aircraft washrack with utility building. Provide reinforced concrete van pads with utilities, tie-downs, security fencing and access controls. Provide fencing, gates, signs, and appropriate access controls to meet Level 3 restricted area security criteria. Design shall be in accordance with sustainable design principles wherever feasible and cost effective. Design shall comply with Department of Defense Anti-Terrorism/Force Protection standards. Construction shall also include landscaping and adjacent privately owned vehicle parking.

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE		4.Project Title PRESIDENTIAL AIRCRAFT MAINT HANGAR (WHITE SIDE)		
5.Program Element 0206496M	6.Category Code 21105	7.Project Number P448	8.Project Cost (\$000) Auth 52,658 Approp 18,560 Auth for Approp 18,560	
11.Requirement: <u>16746m2</u> <b>Adequate:</b> <u>0m2</u> <b>Substandard:</b> <u>0m2</u>				
<p><b>PROJECT:</b> Replace inadequate, under-sized hangars in support of HMX-1 missions. (Current Mission)</p> <p><b>REQUIREMENT:</b> Adequate Level 3 secure hangar and support space is required for the aircraft assigned to the Executive Fleet of HMX-1. HMX-1 has a unique requirement to park all aircraft inside the hangar for security and maintenance reasons.</p> <p>Studies are currently underway to compare VXX requirements for hangar space, administrative facilities, and air space with available assets at Department of Defense facilities in the National Capital Region. The results of these studies will determine the most cost effective means to provide facility support for the VXX program.</p> <p><b>CURRENT SITUATION:</b> Existing hangars, at MCAF Quantico, which support the executive fleet, were built in 1935, with an inter-connected addition to the original hangars in 1975. Less than half of the assigned VH-3 and VH-60 aircraft can be parked within these hangars with adequate fire lanes and safety clearances. When moving aircraft inside the hangar, maintenance personnel must maneuver rotor blades by hand while the aircraft is slowly towed in order to avoid damage by striking other aircraft. Only Hangar 2102A has sufficient overhead clearance to conduct most "in-hangar" hoist operations. Electrical systems do not have sufficient capacity to meet current user demand. Fire suppression systems are inadequate to protect critical national assets. The buildings' proximity to the runway violates the 7:1 transitional surface criteria. The aircraft parking apron in front of the building is limited to only 3 or 4 aircraft.</p> <p>Aircraft maintenance training and secure supply facilities are sited very close to the runway and violate the Primary Surface. The current Executive Fleet operations at MCAF Quantico currently operate under numerous airfield safety violations to primary, transitional, and clear zone surfaces.</p> <p><b>IMPACT IF NOT PROVIDED:</b> HMX-1 would continue to violate airfield safety requirements. HMX-1 will not have the capability of properly sheltering all of their aircraft. Overall, deferral of this project would critically interfere with the HMX-1 mission of Presidential Support, Marine Corps Combat Development Command (MCCDC) training airlift support, and Marine operational test and evaluation of new aircraft capabilities.</p>				
12.Supplemental Data:				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: NC1002 VARIOUS LOCATIONS WORLDWIDE		4.Project Title PRESIDENTIAL AIRCRAFT MAINT HANGAR (WHITE SIDE)	
5.Program Element 0206496M	6.Category Code 21105	7.Project Number P448	8.Project Cost (\$000) Auth 52,658 Approp 18,560 Auth for Approp 18,560
<p>A. Estimated Design</p> <p>1. Status:</p> <p>(A) Date Design Start 122003</p> <p>(B) Date Design 35% Complete 062004</p> <p>(C) Date Design Completed 082005</p> <p>(D) Percent Completed as of SEPTEMBER 2003 0%</p> <p>(E) Percent Completed as of JANUARY 2004 2%</p> <p>(F) Type of Design Contract Design Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy study/Life cycle analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used:</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$2,080</p> <p>(A) Production of Plans and Specifications \$1,560</p> <p>(B) All other Design Costs \$520</p> <p>(C) Total \$2,080</p> <p>(D) Contract \$520</p> <p>(E) In-House \$1,560</p> <p>4. Contract Award 022005</p> <p>5. Construction Start 082005</p> <p>6. Construction Complete 022007</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>JOINT USE CERTIFICATION:</p> <p>The Director Land Use and Military Construction Branch, Installations and Logistics Department, Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.</p> <p>Activity POC: Jim Woods Phone No: 252-466-4769</p>			

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: N63821 NAVAL UNDERSEA WARFARE CENTER DET AUTEC ANDROS ISLAND, BAHAMAS		4. Command Commander, Navy Region Southeast								
		5. Area Const Cost Index 1.69								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	5	29	0	0	0	0	127	0	0	229
b. End FY 2008	7	12	0	0	0	0	150	114	0	283
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									59,452
c.	AUTHORIZATION NOT YET IN INVENTORY.....									0
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									20,750
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									0
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									0
g.	REMAINING DEFICIENCY .....									0
h.	<b>GRAND TOTAL .....</b>									<b>80,202</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
72131	BACHELOR ENLISTED QUARTERS				5016 m2	20750	08/2002	04/2005		
TOTAL						20750				
9. Future Projects:										
a. Included In The Following Program:										
None										
b. Major Planned Next Three Years:										
None										
c. R&M Unfunded Requirement (\$000):            24,000										
10. Mission or Major Functions:										
The mission of Atlantic Undersea Test and Evaluation Center (AUTEC) is to provide Naval Warfare Centers, the Fleet, and other customers with accurate undersea, surface, and in-air three dimensional tracking data and other unique Atlantic test facilities in support of Research, Development, Testing and Evaluation, and Fleet Readiness assessment and training.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N63821 NAVAL UNDERSEA WARFARE CENTER DET AUTEC ANDROS ISLAND, BAHAMAS			4.Project Title BACHELORS QUARTERS	
5.Program Element 0203276N	6.Category Code 72131	7.Project Number P200	8.Project Cost (\$000) 20,750	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BACHELORS QUARTERS (53,992 SF)	m2	5,016		16440
BACHELORS QUARTERS (53,992 SF)	m2	5,016	2,932.41	(14710)
BUILT-IN EQUIPMENT	LS			(150)
TECHNICAL OPERATING MANUALS	LS			(150)
ANTI-TERRORISM/FORCE PROTECTION	LS			(440)
SPECIAL COSTS	LS			(990)
SUPPORTING FACILITIES				1470
ELECTRICAL UTILITIES	LS			(80)
MECHANICAL UTILITIES	LS			(120)
PAVING AND SITE IMPROVEMENTS	LS			(690)
DEMOLITION	LS			(580)
SUBTOTAL				17910
CONTINGENCY (5%)				900
TOTAL CONTRACT COST				18810
SIOH (6.5%)				1220
SUBTOTAL				20030
DESIGN/BUILD - DESIGN COST				720
TOTAL REQUEST ROUNDED				20750
TOTAL REQUEST				20750
<b>10.Description of Proposed Construction</b>				
<p>Single building, three-story (maximum), reinforced concrete frame, shallow concrete foundations, reinforced concrete slab on grade, structural concrete floors, reinforced cast-in-place concrete or concrete masonry unit (CMU) walls, and flat, insulated modified bitumen roof. Project constructs 76 "1+1 enhanced" apartment modules (for 76 E5 and above). Each apartment module consists of two completely independent living/sleeping rooms (with two personal storage closets per room), a compact kitchen with food preparation service area, washer/dryer, and a semi-private bathroom with separate tub/toilet and lavatory areas. Built-in equipment includes room access control based on a keyless card system.</p> <p>Construction includes interior corridors, stairways, vending areas, electrical and mechanical utility rooms, telecommunications rooms, janitorial areas, mailbox area, lobby/entry area, administration area, and a bulk storage area with lockers. Project also includes ventilation and air conditioning; fire protection and alarm system; anti-terrorism and force protection measures; site improvements; information systems (i.e., telephone and cable TV wiring, and computer network and switching equipment); and lead abatement, asbestos removal, and demolition of Facility 1204 (BEQ), Facility 1216 (Overflow Heads) and Facility 1205 (75 Man Mess), an approximate total of 3,392 m2 (36,511 SF) of floor area.</p> <p>Special costs includes a structural capacity to withstand 138-mph winds.</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N63821 NAVAL UNDERSEA WARFARE CENTER DET AUTECH ANDROS ISLAND, BAHAMAS			4.Project Title BACHELORS QUARTERS	
5.Program Element 0203276N	6.Category Code 72131	7.Project Number P200	8.Project Cost (\$000) 20,750	
<p>Technical operating manuals will be provided.</p> <p>Intended Grade Mix: 76 E5-E9 and civilian personnel.</p> <p>Maximum Utilization: 152 E1-E4 (&lt;4 years).</p>				
<b>11.Requirement:</b> <u>393PN</u> <b>Adequate:</b> <u>261PN</u> <b>Substandard:</b> <u>OPN</u>				
<b>PROJECT:</b> Provide Bachelor quarters as required by the Atlantic Undersea Test and Evaluation Center (AUTECH) Omnibus Maintenance and Operations support contract for 76 enlisted and Base Operations Support (BOS) contractor enlisted equivalent personnel on Andros Island, Bahamas. <b>(Current Mission)</b>				
<b>REQUIREMENT:</b> This project will provide adequate and efficiently configured 1+1 berthing facilities for unaccompanied Navy military and BOS Maintenance and Operations (M&O) contractor personnel assigned to Detachment AUTECH Andros Island. The AUTECH main base is located on Andros Island, Bahamas. Over 400 military and civilian personnel are permanently on site. The local island infrastructure (including hotels) is extremely limited with nominally 15 substandard rental property units available off-base. The Navy contracts all M&O services for AUTECH. Recognizing the extremely limited availability of acceptable off-base housing, the Navy specifically states in the omnibus M&O contract that permanent party contractor personnel will be assigned to Government-owned quarters.				
<b>CURRENT SITUATION:</b> The present BEQ facility at AUTECH is a three-story Gang Head building, 35 years old with asbestos-containing material and lead-based paint. The existing facility consists of 128, 13.9 m2 (150 square foot) rooms that are space configured for E1-E4 grade personnel. In October 1998, the "1+1 Bachelor Housing Standards" Transition Plan completed by Naval Facilities Engineering Command (NAVFAC) identified BEQ Facility 1204's overall condition as poor and requiring extensive renovation, a project cost equivalent to 81% of the cost of new construction. The 81% figure is based on 1998 estimating and determination. The building has no fire sprinkler system. The utility systems are poor and in need of replacement. The window-mounted air conditioning units are also in need of replacement. The rolled membrane roof is at the end of its service life, and is dry and crumbling. The uninsulated metal building structure, stairs, balcony structure, and exterior walls all have significant corrosion. Domestic water and sewer lines are old, with weak joints, and develop frequent leaks. The exhaust system has low volume, and there is no fresh air make-up system. The original wiring is old and outdated. The building has inadequate telephone and cable TV systems. Ceilings				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N63821 NAVAL UNDERSEA WARFARE CENTER DET AUTEC ANDROS ISLAND, BAHAMAS		4.Project Title BACHELORS QUARTERS	
5.Program Element 0203276N	6.Category Code 72131	7.Project Number P200	8.Project Cost (\$000) 20,750

are suspended acoustical tile and have major mold/mildew problems. The current facility cannot be occupied in periods of high winds.

The present BEQ facility has significant asbestos containing material and lead-based paint requiring the M&O Contractor to diligently manage the conditions of the building to ensure, Navy Occupational Safety and Health (NAVOSH) compliance.

**IMPACT IF NOT PROVIDED:**

The key issue is retention of qualified personnel in order to continue support of Navy requirements. Minimizing attrition is a significant effort for AUTEC due to unavoidable aspects of the remote overseas location. Enlisted and BOS contractor personnel will continue to be subjected to below standard living conditions because the existing BEQ is inadequate, significantly deteriorated, and does not meet space, current codes and policy for space, privacy, and safety criteria. As such, below standard quality of housing has a principal and detrimental impact on the morale and welfare of the assigned personnel living overseas in a remote area with little recreational opportunities off-base. Additionally, unaccompanied senior enlisted Navy personnel will continue to live in deteriorating facilities and share communal baths with junior enlisted personnel. The U.S. Fleet and foreign customers constantly express displeasure with the current Bachelor Housing situation, and during customer surveys and debriefs with AUTEC management, frequently rate the lack of adequate housing as one of the primary problems with holding training, testing, and evaluation at AUTEC.

**12. Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	082002
(B) Date Design 35% Complete	092004
(C) Date Design Completed	042005
(D) Percent Completed as of SEPTEMBER 2003	3%
(E) Percent Completed as of JANUARY 2004	3%
(F) Type of Design Contract	Design Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

(A) Standard or Definitive Design:	No
(B) Where Design Was Most Recently Used:	N/A

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N63821 NAVAL UNDERSEA WARFARE CENTER DET AUTEC ANDROS ISLAND, BAHAMAS		4.Project Title BACHELORS QUARTERS	
5.Program Element 0203276N	6.Category Code 72131	7.Project Number P200	8.Project Cost (\$000) 20,750
3. Total Cost (C) = (A) + (B) = (D) + (E) : (A) Production of Plans and Specifications \$500 (B) All other Design Costs \$80 (C) Total \$580 (D) Contract \$80 (E) In-House \$500 4. Contract Award 012005 5. Construction Start 042005 6. Construction Complete 042007			
B. Equipment associated with this project which will be provided from other appropriations: None			
C. FY 2003 R&M Conducted (\$000): \$250 D. FY 2004 R&M Conducted (\$000): \$200 E. Future R&M Requirements (\$000): \$2,045			
JOINT USE CERTIFICATION: The Installation Management Claimant certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. Mission requirements, operational considerations, and location are incompatible with use by other components.			
Activity POC: Amir Kanel		Phone No: 561-832-8566 x7549	

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: N68539 NAVY SUPPORT FACILITY DIEGO GARCIA, NAVAL FAC, BR INDIAN OCEAN		4. Command Commander, Navy Region Japan								
		5. Area Const Cost Index 2.56								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	57	568	75	0	0	0	193	0	0	1265
b. End FY 2008	62	540	75	0	0	0	193	372	0	1242
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( 28,000 Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									2,516,139
c.	AUTHORIZATION NOT YET IN INVENTORY.....									19,062
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									17,500
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									0
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									0
g.	REMAINING DEFICIENCY .....									111,900
h.	<b>GRAND TOTAL .....</b>									<b>2,664,601</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
83315	SANITARY/CUT-FIL DISP AREA				0 LS	17500	08/2002	04/2005		
	TOTAL					17500				
9. Future Projects:										
a. Included In The Following Program:										
None										
b. Major Planned Next Three Years:										
None										
c. R&M Unfunded Requirement (\$000):                      46,000										
10. Mission or Major Functions:										
Responsible for logistics and operational support on Diego Garcia in support of tenant activities and elements of the operating forces of the U.S. Navy, other DOD, surface and communication activities operating in the Indian Ocean and Arabian Gulf AOR's. NAVSUPPFAC is the host command to over 27 tenant activities on board Diego Garcia, supporting all operational requirements of a forward-deployed strategy.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04		
3.Installation and Location/UIC: N68539 NAVY SUPPORT FACILITY DIEGO GARCIA, NAVAL FAC, BR INDIAN OCEAN TE		4.Project Title SOLID WASTE MANAGEMENT CENTER		
5.Program Element 0702776N	6.Category Code 83315	7.Project Number P146	8.Project Cost (\$000) 17,500	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
SOLID WASTE MANAGEMENT CENTER	LS			11740
LANDFILL (8 AC)	ha	3.24	1,688,272.00	(5470)
LANDFILL CONTROL BLDG (592 SF)	m2	55	6,364.00	(350)
TRUCK SCALE FACILITY	EA	1	70,000.00	(70)
TIPPING AREA (5,005 SF)	m2	465	1,269.00	(590)
RECYCLING EQUIPMENT BUILDING (1,615 SF)	m2	150	3,933.00	(590)
INCINERATOR (8,019 SF)	m2	745	6,134.00	(4570)
TECHNICAL OPERATING MANUALS	LS			(100)
SUPPORTING FACILITIES				3360
SPECIAL CONSTRUCTION FEATURES	LS			(2210)
ELECTRICAL UTILITIES	LS			(200)
MECHANICAL UTILITIES	LS			(400)
PAVING AND SITE IMPROVEMENTS	LS			(130)
SITE PREPARATIONS	LS			(370)
DEMOLITION	LS			(50)
SUBTOTAL				15100
CONTINGENCY (5%)				760
TOTAL CONTRACT COST				15860
SIOH (6.5%)				1030
SUBTOTAL				16890
DESIGN/BUILD - DESIGN COST				610
TOTAL REQUEST ROUNDED				17500
TOTAL REQUEST				17500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(1040)
<b>10.Description of Proposed Construction</b>				
<p>This project proposes the construction of a 3.24 hectare (8-acre) lined sanitary landfill with leachate collection and treatment system; a pre-engineered batch incinerator facility, and a pre-engineered recycling equipment facility. The project includes clearing and grubbing, fence, access road, truck scale, a concrete masonry unit (CMU) landfill control building, electrical power system, telephone system, potable water holding tank and distribution system, and sewage collection system with septic tank and subsurface disposal field. Special construction features include closing the existing landfill. Technical operating manuals will be provided. Sustainable principles will be included into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and executive orders.</p>				
<b>11.Requirement:</b>				
<u>LS</u>	<b>Adequate:</b>	<u>LS</u>	<b>Substandard:</b>	<u>LS</u>
<b>PROJECT:</b>				
This project proposes to construct a sanitary landfill and batch incinerator facility. <b>(Current Mission)</b>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N68539 NAVY SUPPORT FACILITY DIEGO GARCIA, NAVAL FAC, BR INDIAN OCEAN TE			4.Project Title SOLID WASTE MANAGEMENT CENTER	
5.Program Element 0702776N	6.Category Code 83315	7.Project Number P146	8.Project Cost (\$000) 17,500	
<p><b>REQUIREMENT:</b> A lined sanitary landfill and an incinerator facility are needed for reliable, long-term disposal of solid wastes. Approximately 107 cubic meters per day of non-hazardous solid wastes are generated and require disposal. Incineration prior to landfilling is necessary to reduce the volume of landfilled waste and the size of the landfill. The limited land on Diego Garcia is either reserved for operational requirements or managed as water preservation areas to protect the island drinking water supply. Therefore waste reduction through incineration and diversion for recycling is critical for reducing the land area required for the new landfill. Recycling equipment is needed to process metals and glass for shipment for recycling and/or beneficial use on island. Recycling further reduces the quantity of landfilled waste.</p> <p><b>CURRENT SITUATION:</b> Approximately 107 cubic meters per day of solid waste is generated by mission support activities from shore facilities and ships. The solid waste is burned in open, air-curtain type incinerators. Operation of these incinerators is characterized by visible smoke and open flames. Operators are exposed to heat, smoke and combustion gases. Ash removal is accomplished manually with ash still actively smoldering when removed. The residual ash is disposed in an existing 4.05 hectare unlined landfill. Certain materials, such as food waste, are disposed directly into the landfill without incineration.</p> <p>The existing landfill and original incinerator facility were placed into operation in 1983. The original incinerator failed and was replaced by two packaged-type air-curtain incinerators. During the interim period before the replacement incinerators were placed into operation, solid waste was landfilled without incineration, rapidly depleting the available landfill capacity. Under the current revised landfill final grading plan and the projected solid waste loading, the existing landfill has sufficient capacity to accept incinerated waste through the year 2006. When the existing landfill capacity is exhausted, a new landfill is needed.</p> <p><b>IMPACT IF NOT PROVIDED:</b> The existing landfill will exceed its capacity. Solid waste may be stored in unlined areas in violation of the Diego Garcia Final Governing Standards, potentially endangering the environment. Stringent waste reduction measures may become necessary which could impose restrictions on the ability of various groups to accomplish their mission support activities.</p>				
<p><b>12.Supplemental Data:</b></p> <p>A. Estimated Design</p> <p>1. Status:</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04								
3.Installation and Location/UIC: N68539 NAVY SUPPORT FACILITY DIEGO GARCIA, NAVAL FAC, BR INDIAN OCEAN TE		4.Project Title SOLID WASTE MANAGEMENT CENTER									
5.Program Element 0702776N	6.Category Code 83315	7.Project Number P146	8.Project Cost (\$000) 17,500								
<p>(A) Date Design Start 082002</p> <p>(B) Date Design 35% Complete 092004</p> <p>(C) Date Design Completed 042005</p> <p>(D) Percent Completed as of SEPTEMBER 2003 3%</p> <p>(E) Percent Completed as of JANUARY 2004 3%</p> <p>(F) Type of Design Contract Design Build</p> <p>(G) Parametric Estimate used to develop cost Yes</p> <p>(H) Energy study/Life cycle analysis performed Yes</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$580</p> <p>(A) Production of Plans and Specifications \$500</p> <p>(B) All other Design Costs \$80</p> <p>(C) Total \$580</p> <p>(D) Contract \$80</p> <p>(E) In-House \$500</p> <p>4. Contract Award 012005</p> <p>5. Construction Start 042005</p> <p>6. Construction Complete 042007</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th><u>Equipment</u> <u>Nomenclature</u></th> <th><u>Procuring</u> <u>Appropriation</u></th> <th><u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u></th> <th><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Civil Engineering Support Equipment</td> <td>OPN</td> <td>2005</td> <td>\$1,040</td> </tr> </tbody> </table> <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.</p> <p>Activity POC: Randy Torigoe Phone No: DSN 243-9247</p>				<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>	Civil Engineering Support Equipment	OPN	2005	\$1,040
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>Or Requested</u>	<u>Cost</u> <u>(\$000)</u>								
Civil Engineering Support Equipment	OPN	2005	\$1,040								

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: N62395 (MARIANA ISLANDS, GUAM) NAVY PUBLIC WORKS AGAT, GUAM		4. Command Commander, Navy Region Guam								
		5. Area Const Cost Index 2.02								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	389	2892	583	0	0	0	56	0	0	4123
b. End FY 2008	443	3003	589	0	0	0	56	203	0	4294
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( 748 Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									231,704
c.	AUTHORIZATION NOT YET IN INVENTORY.....									14,641
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									20,700
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									0
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									0
g.	REMAINING DEFICIENCY .....									78,150
h.	<b>GRAND TOTAL .....</b>									<b>345,195</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
84110	WATER TREATMENT PLT UPG				522 m2	20700	08/2002	04/2005		
TOTAL						20700				
9. Future Projects:										
a. Included In The Following Program:										
None										
b. Major Planned Next Three Years:										
None										
c. R&M Unfunded Requirement (\$000): 23,000										
10. Mission or Major Functions:										
Provide maintenance, repair, minor construction and other public works support, including transportation equipment, utilities, telephone, Navy housing, engineering services, and shore facilities planning assistance for Naval forces in the Guam area. Also supports the US Air Force, Government of Guam, Trust Territories of the Pacific Islands and other government and authorized agencies.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N62395 (MARIANA ISLANDS, GUAM) NAVY PUBLIC WORKS C AGAT, GUAM		4.Project Title FENA WATER TREATMENT PLANT UPGRADE	
5.Program Element 0712776N	6.Category Code 84110	7.Project Number P256	8.Project Cost (\$000) 20,700

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
FENA WATER TREATMENT PLANT UPGRADE (5,619 SF)	m2	522		15400
WATER TREATMENT PLANT BUILDINGS (5,619 SF)	m2	522	7,010.00	(3660)
BONA/ALMAGOSA SPRINGS METER INSTALLATIONS	LS			(270)
FENA VALLEY LAKE RAW WATER PIPELINE MODS	LS			(80)
FENA VALLEY LAKE SCREEN HOUSE INTAKE MODS	LS			(120)
FENA WATER PS PRECHLOR SYS AND METER MODS	LS			(400)
WATER TREATMENT PLANT UPGRADES	LS			(10600)
BUILT-IN EQUIPMENT	LS			(10)
TECHNICAL OPERATING MANUALS	LS			(260)
SUPPORTING FACILITIES				2480
ELECTRICAL UTILITIES	LS			(920)
MECHANICAL UTILITIES	LS			(690)
PAVING AND SITE IMPROVEMENTS	LS			(780)
DEMOLITION	LS			(90)
SUBTOTAL				17880
CONTINGENCY (5%)				890
TOTAL CONTRACT COST				18770
SIOH (6.5%)				1220
SUBTOTAL				19990
DESIGN/BUILD - DESIGN COST				720
TOTAL REQUEST ROUNDED				20710
TOTAL REQUEST				20700

**10.Description of Proposed Construction**

Major water treatment process improvements, modernization of process control instrumentation, and new construction of support facilities. Construction includes reinforced concrete influent metering and rapid mix tank with new flow meters, mixers and appurtenances; an additional reinforced concrete flocculation-sedimentation tank with sludge transfer pumps; a reinforced concrete clearwell finished water storage tank; a reinforced concrete filter backwash settling tank with sludge transfer and supernatant pump stations; a reinforced concrete sludge holding tank; a sludge dewatering facility; a single story, reinforced concrete masonry unit (CMU) building, with reinforced concrete roof and floor slab, power and lighting; sludge feed pumps; mechanical sludge dewatering equipment and appurtenances; a single story air blower and emergency generator building with reinforced CMU walls, reinforced concrete roof and floor slab, power and lighting, steel doors, and monorail hoists; a single story maintenance shop with reinforced CMU walls, reinforced concrete roof and floor slab, power and lighting, steel roll-up door, monorail hoist, and electrical panel board with special outlets for miscellaneous maintenance and repair equipment; a single story addition to the existing chemical control building (Bldg. 585), with reinforced CMU walls, reinforced concrete roof and floor slab, power and lighting, steel roll-up door, room ventilation, fire

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62395 (MARIANA ISLANDS, GUAM) NAVY PUBLIC WORKS C AGAT, GUAM		4.Project Title FENA WATER TREATMENT PLANT UPGRADE		
5.Program Element 0712776N	6.Category Code 84110	7.Project Number P256	8.Project Cost (\$000) 20,700	

alarm system connection, and emergency eyewash facility; new sludge transfer pumps; sand water filtration and control systems; new motorized valves at the existing junction box; a single story chemical storage facility and an addition to the Chlorinator Building with reinforced concrete floor and roof, CMU walls, power lighting, steel roll-up door, monorail hoist, and concrete curbing surrounding the stored chemicals for containment of accidental spills.

Electrical supporting facilities include electrical power distribution line, pad mounted transformer, emergency generator, and related switching and distribution panels. Other supporting facilities include pipeline to reroute existing water line bypass, and paving and site improvements.

Demolition work involves removal of the old and structurally deficient inlet structure, meter pit, and baffled chemical mixing pit. Built-in equipment includes a hoist.

Also included is modifying the screen house (Bldg. 1281) water intake to selectively draw source water from different lake depths; connecting a segment of the parallel 600-mm waterline to drain the lake bottom to the downstream side of the Fena Lake Reservoir spillway dam; installing a pre-chlorination system and a water meter at the Fena WPS; installing 200-mm water meter at Bona Spring and 300-mm water meter at Almagosa Spring.

**11.Requirement:**                      522m2                      **Adequate:**                      0m2                      **Substandard:**                      0m2

**PROJECT:**

This project renovates the mainstream treatment processes and constructs new tankage for unit process redundancy and reliability, even during heavy storms and typhoon recovery periods, to ensure compliant safe drinking water for consumers at the Apra Harbor Naval Base, military housing, and outlying service areas of Guam.

**(Current Mission)**

**REQUIREMENT:**

Long-term improvements are needed at the Fena Water Treatment Plant (WTP) and its source water facilities to meet Federal Safe Drinking Water Act and U.S. Environmental Protection Agency (USEPA) drinking water standards and mitigate future storm and typhoon effects on water treatment systems.

Variability in the quality of the raw water supply compounded by the antiquated condition and treatment processes employed at the Fena Water Treatment Plant need to be ameliorated if USEPA drinking water turbidity standards and microbial inactivation criteria of disinfection are to be uniformly met in plant operations. Overall improvements will substantially enhance the restoration of plant operations to normal levels during heavy rains and typhoon recovery in this hurricane prone region.

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62395 (MARIANA ISLANDS, GUAM) NAVY PUBLIC WORKS C AGAT, GUAM			4.Project Title FENA WATER TREATMENT PLANT UPGRADE	
5.Program Element 0712776N	6.Category Code 84110	7.Project Number P256	8.Project Cost (\$000) 20,700	
<p>The Fena WTP, constructed in 1956, provides up to 13.5 million gallons per day of drinking water in support of fleet, industrial, and domestic water needs of military bases and operations throughout Guam and interspersed communities. Federal and local safe drinking water regulations require enhanced treatment when surface water such as that of the Fena Valley watershed is used as the source water.</p> <p><b>CURRENT SITUATION:</b> Heavy rains and storms, such as the recent Supertyphoon Pongsona, have a major impact on water turbidity. The undersized 47-year old water treatment facilities lack parallel treatment process tanks (unit redundancy), which consequently compromises the reliability of treatment and restricts effective preventive maintenance of process equipment. As a result, the finished water quality and quantity produced cannot consistently meet the Safe Drinking Water Act for turbidity and microbial disinfection.</p> <p>Operationally, the single treatment tanks are inadequate; a second set of tanks coupled with filtration treatment steps is vitally needed. The influent control structure does not have adequate freeboard; i.e., the high water level rises close to the top of the tank. The baffle-mixing pit does not effectively mix the chemicals with the raw water, causing inefficient use of chemicals and ineffective coagulation. The flocculation-sedimentation tank is hydraulically overloaded, which causes inadequate settling and shortened filtration runs in the downstream process tanks due to clogging of filters.</p> <p>During the rainy season from July through December, frequent torrential storms occur which may continue for three consecutive days. Heavy rainfall causes a drastic increase in raw water turbidity, which requires more frequent filter backwashing. In these instances, the plant cannot produce enough potable water due to the frequent clogging of the filter media and the high solids content of the spent filter backwash water that must be separated in a backwash settling tank of limited holding capacity.</p> <p>In addition, the lack of a redundant filter backwash settling tank precludes necessary cleaning and maintenance. When the settling tank cannot receive the spent filter backwash water, the backwash water and sludge are drained to the sewer. Such incidents already occur regularly when high turbidity raw water must be treated in the aftermath of rains. Industrial wastewater discharges of chemical sludge contain heavy metals (aluminum and others) that can adversely affect the biological treatment processes of the sewage treatment plant and its ability to comply with its ocean disposal discharge permit.</p> <p>The water treatment plant lacks a covered weatherproof facility necessary to store mechanical equipment spare parts and devices to facilitate immediate maintenance and repair of critical water treatment plant equipment (pumps, motors, and valves) and</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62395 (MARIANA ISLANDS, GUAM) NAVY PUBLIC WORKS C AGAT, GUAM			4.Project Title FENA WATER TREATMENT PLANT UPGRADE	
5.Program Element 0712776N	6.Category Code 84110	7.Project Number P256	8.Project Cost (\$000) 20,700	
control/metering devices.				
<b>IMPACT IF NOT PROVIDED:</b> Unless plant improvements are added, such as process upgrades; modernized equipment, instrumentation, and controls; and unit redundancy are constructed, the Fena WTP operation will operate in a failure mode with risk of operational shutdown or Notices of Violation (NOVs), public boil water notices, and loss of consumer confidence.				
To not make these improvements will result in failure of the U.S. Navy Public Works Center to effectively perform its mission of providing safe, high quality, and reliable water supply to its Navy customers. Incidents will continue where chemical sludge must be disposed to the sanitary sewer, despite the adverse effect of this practice on operation of the sewage treatment plant to meet the requirements of the Clean Water Act in preventing coastal water pollution under discharge permit conditions of the National Pollutant Discharge Elimination System.				
The plant will continue to be at risk of violating EPA regulations and will be subject to administrative NOVs and substantial monetary fines and penalties by the USEPA.				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of	SEPTEMBER	2003		3%
(E) Percent Completed as of	JANUARY	2004		3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$580
(A) Production of Plans and Specifications				\$500
(B) All other Design Costs				\$80
(C) Total				\$580
(D) Contract				\$80
(E) In-House				\$500

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62395 (MARIANA ISLANDS, GUAM) NAVY PUBLIC WORKS C AGAT, GUAM		4.Project Title FENA WATER TREATMENT PLANT UPGRADE		
5.Program Element 0712776N	6.Category Code 84110	7.Project Number P256	8.Project Cost (\$000) 20,700	
4. Contract Award 012005 5. Construction Start 042005 6. Construction Complete 042007				
B. Equipment associated with this project which will be provided from other appropriations: None				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This is an installation utility/infrastructure project and does not qualify for joint use at this location, however, all tenants on this installation are benefited by this project.				
Activity POC: CAPT Joseph Ludovici Phone No: (671) 339-5100				

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: N57043 COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM	4. Command Commander, Navy Region Guam	5. Area Const Cost Index 2.02								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	389	2892	583	0	0	0	56	0	0	4123
b. End FY 2008	443	3003	589	0	0	0	56	203	0	4294
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( 95,592 Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									1,694,901
c.	AUTHORIZATION NOT YET IN INVENTORY.....									24,283
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									12,500
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									21,200
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									157,100
g.	REMAINING DEFICIENCY .....									470,801
h.	<b>GRAND TOTAL .....</b>									<b>2,380,785</b>
8. Projects Requested In This Program										
<u>Category</u>				<u>Cost</u>			<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>		<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>				
15210	KILO WHARF IMPROVEMENTS		0 LS	12500	08/2002	04/2005				
	TOTAL			12500						
9. Future Projects:										
a. Included In The Following Program:										
15110	ALPHA/BRAVO WHARVES IMPS I		52 M	5200						
15210	ROMEO/SIERRA WHARVES IMPVS		37235 M2	7100						
15210	VICTOR WHARF IMPROVEMENT		38629 M2	8900						
	TOTAL			21200						
b. Major Planned Next Three Years:										
15210	DELTA/ECHO WHARVES IMPVS		5946 M2	5000						
15260	SUPPLY WHARF		10284 SY	3600						
16510	DREDGING AT ROMEO/SIERRA		0 LS	19700						
42122	HIGH PERFORMANCE MAGS		6140 M2	41300						
72111	BEQ RENOVATIONS		2710 M2	9700						
72111	BEQ RENOVATIONS		2710 M2	9900						
74043	GYMNASIUM		3281 M2	10800						
74054	SINGLE SAILOR SUPT/GALLEY		2790 SF	7800						
81230	HARDEN ELECTRICAL SYSTEM		0 LS	49300						
	TOTAL			157100						
c. R&M Unfunded Requirement (\$000): 431,000										
10. Mission or Major Functions:										
As an activity of the Naval telecommunications system, to manage, operate, and maintain those facilities, systems, equipment and devices necessary to provide requisite communications for the command, operational control, and administration of the Naval establishment; to manage, operate, and maintain those facilities and equipment of the										

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04
3. Installation and Location: N57043 COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM	4. Command Commander, Navy Region Guam	5. Area Const Cost Index 2.02
Defense telecommunications system and the Coast Guard as assigned; and to perform such other functions as may be directed by the Chief of Naval Operations.		
11. Outstanding Pollution and Safety Deficiencies (\$000): a. Pollution Abatement(*): \$ 0 b. Occupational Safety and Health (OSH) (#): \$ 0		

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N57043 COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM		4.Project Title KILO WHARF IMPROVEMENTS	
5.Program Element 0212276N	6.Category Code 15210	7.Project Number P451	8.Project Cost (\$000) 12,500

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
KILO WHARF IMPROVEMENTS	LS			7290
BILGE OILY WATER TREATMENT SYSTEM	LS			(1420)
FENDER SYSTEM	LS			(820)
FIRE PROTECTION SYSTEM	LS			(900)
INFRASTRUCTURE UPGRADE	LS			(530)
ORDNANCE CONTAINER HANDLING PAD	LS			(720)
STEAM BOILER SYSTEM	LS			(610)
UPGRADE SERVICE/SUPPORT BUILDING	LS			(320)
WHARF ELECTRICAL, LIGHTING & LIGHTNING	LS			(630)
PROTECTION				
WHARF SECURITY SYSTEM	LS			(220)
TECHNICAL OPERATING MANUALS	LS			(50)
INFORMATION SYSTEMS	LS			(1070)
SUPPORTING FACILITIES				3500
SPECIAL CONSTRUCTION FEATURES	LS			(90)
ELECTRICAL UTILITIES	LS			(1030)
MECHANICAL UTILITIES	LS			(50)
DEMOLITION	LS			(10)
PAVING & SITE IMPROVEMENTS	LS			(2320)
SUBTOTAL				10790
CONTINGENCY (5%)				540
TOTAL CONTRACT COST				11330
SIOH (6.5%)				740
SUBTOTAL				12070
DESIGN/BUILD - DESIGN COST				430
TOTAL REQUEST ROUNDED				12500
TOTAL REQUEST				12500

**10.Description of Proposed Construction**

At Kilo Wharf, the project will: 1)provide a new Bilge Oily Water Treatment System (BOWTS); 2) replace the existing deteriorated fender pile system; 3) renovate the existing Gate House and Service/Support Buildings to current criteria and operational requirements; 4) upgrade to current criteria and operational requirements the utilities infrastructure, including the sewer lift station, pumps, piping (steam, domestic water, and fire protection water), piping supports, data, communication, and cable television lines to the waterfront.

BOWTS: Construct new Bilge Oily Water Treatment System including piping and transfer system. The treatment system shall be designed to treat 113,550 L (30,000 gallons) of bilge oil water.

FENDER SYSTEM: Remove existing deteriorated and ineffective fender system and replace

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N57043 COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM		4.Project Title KILO WHARF IMPROVEMENTS		
5.Program Element 0212276N	6.Category Code 15210	7.Project Number P451	8.Project Cost (\$000) 12,500	

with new fender system. New fender system to be vertical type capable to roll as the ship surges up and down.

**KILO WHARF SECURITY SYSTEM:** At Kilo Wharf upgrade the existing Gate House at the entrance to include security control station. Provide adequate communication system and signage. Install new security monitoring system throughout the facility complete with cameras. Install air conditioning system.

**FIRE PROTECTION SYSTEM:** Upgrade existing salt water fire pump fire protection system from the existing 5680 liter/min (1500gpm) to 11,355 liter/min (3,000gpm). Replace deteriorated fire protection mains and fire hydrants with new pipes and hydrants to accommodate fire flow requirements. Provide fire sprinklers in salt water pump house. Upgrade power supply to support new electric and diesel fire pumps, and replace emergency generator and transfer switch to support auxiliary equipment.

**ELECTRICAL, LIGHTING & LIGHTNING PROTECTION:** Repair existing electrical services including replacement of power outlets and feeder cables at the existing three power mounds. Upgrade area lighting and lightning protection system to protect entire wharf area.

**UPGRADE SERVICE/SUPPORT BUILDING:** Renovate existing support building to include office space, men's & women's restrooms and tool storage to meet current requirements.

**UPGRADE STEAM BOILER SYSTEM:** Replace/rehabilitate existing steam boiler system, water treatment and storage system, auxiliary systems, and ventilation system in Utility Building. Increase steam system capacity to provide cold-iron support for AE-35 class ships. Provide new fuel storage system for boiler.

**INFRASTRUCTURE UPGRADE:** Rehabilitate existing sewer lift station, replace existing communitor (grinder pump), replace rusty pipes at utility pedestals, replace corroded steam, fresh water main and fire protection main in existing utility trench, minor repair of damaged pavement and crack at bollard foundation and relocate existing sewer lateral for Service/Support Building. Paint the exterior of all buildings.

**INFORMATION SYSTEM/FIBER OPTIC:** Install communication conduit with pull wire in a concrete duct system for fiber optic service. Install one telephone/fiber optic outlet at each of the existing power mounds. Provide underground ducts and hand holes from existing communication manhole near cemetery to Kilo Wharf. Provide duct for cable television.



1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N57043 COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM		4.Project Title KILO WHARF IMPROVEMENTS		
5.Program Element 0212276N	6.Category Code 15210	7.Project Number P451	8.Project Cost (\$000) 12,500	

The project upgrades deficient Kilo Wharf infrastructure systems and constructs an Ordnance Container Handling Pad on Orote Peninsula, complete with paved access roads and physical security improvements.

**(Current Mission)**

**REQUIREMENT:**

An adequate and properly configured infrastructure system is required on Guam to accommodate the handling of up to 300 containers of ammunition. Construction of the container handling pad on Orote Peninsula supports a portion of this requirement. Guam is the primary and most strategically important ordnance activity within the Commander, Pacific Fleet (COMPACFLT) area of responsibility. The handling and storage of ordnance on Guam is essential to the Navy's mission in the western Pacific (WESTPAC) region. The Commander, U.S. Naval Forces Marianas (COMNAVMARIANAS) Ordnance Department is required to conduct handling, storage, and maintenance of ordnance to support operations of the 5th and 7th Fleet. The Department also supports Air Force operations at Andersen Air Force Base (AAFB) by providing for the loading and offloading of ordnance materials at Kilo Wharf and required hauling of these materials between the wharf and AAFB.

All ordnance cargo on Guam for Navy and Air Force missions is off-loaded and uploaded at Kilo Wharf. The wharf is the only military ammunition port facility on Guam. In recent years, Mobility Enhancement Funds (MEF) were used to construct container crane facilities at Indian Island in Puget Sound, and at Concord in California. The Navy has determined that Guam is the primary location to receive containerized ordnance in WESTPAC. Existing facilities do not meet this mission.

Historically, approximately 55 ships/year are onloaded/offloaded with ordnance at Kilo Wharf. Most of the ships are Military Sealift Command Ammunition Ships (MSC TAE). Further, established metrics allow for up to 56,000 individual lifts/year at Kilo Wharf. A lift is considered moving one item (pallet) to/from ship/wharf. The 56,000 lifts equate to as much as 50,000 - 60,000 short tons of ordnance/year moving to and from Kilo Wharf. PACFLT ordnance operations tempo requires ordnance ships to remain berthed at Kilo Wharf for only a short period of time (less than 4/5 days/visit). Ships must be off/on loaded quickly (but safely); to do otherwise would jeopardize overall Fleet ordnance readiness. The wharf is approved to handle 3.0 million pounds Net Explosive Weight (NEW), thus generating an explosive safety arc of 7,210 feet. This arc impacts all of the Orote Peninsula area.

In July 2000, the Department of Defense Explosives Safety Board (DDESB) rescinded the site approval for Kilo Wharf ordnance operations because of explosives safety risks to civilian shipping while ordnance is stored on Kilo Wharf. Chief of Naval Operations (CNO) Exemption E1-00 was approved in September 2000 permitting continued use of Kilo

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N57043 COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM		4.Project Title KILO WHARF IMPROVEMENTS		
5.Program Element 0212276N	6.Category Code 15210	7.Project Number P451	8.Project Cost (\$000) 12,500	

Wharf since there were no immediate corrective actions that would eliminate the encumbrance on the shipping channel. CNO exemption (E1-00) covers a long standing issue regarding the ability to clear Kilo Wharf after a TAE download, and the need to advance stage the wharf for a major upload.

**CURRENT SITUATION:**

Kilo Wharf is currently without the capability to efficiently transport and treat bilge oily waste from ships berthed at the wharf. This condition requires additional time in port to complete servicing, and negatively impacts PACFLT ordnance operations, which only allow ships to be berthed for a short period of time.

The face fender system is inefficient and deteriorated. It presents hazards to ships berthed alongside. Other wharf deficiencies include insufficient lightning protection system, insufficient security monitoring system, insufficient fire protection system, corroding utility/power mounds, unavailability of steam, and no fiber optic communications capability.

On average, ammunition-handling operations are conducted approximately 260-270 days each year. Many of the operations require only short-term storage, but materials must be transported to the Ordnance Annex in accordance with dunnage requirements for transport over public roads. This is the only route available for transportation of explosives, and passes close to Department of Defense Education Activity (DODEA) schools, populated housing areas and base operating facilities.

As a result of the distance between the magazine area and Kilo Wharf, and the permitted short duration of MSC TAE ships berthed at Kilo, ordnance must be staged in advance to meet operational requirements. The process to move materials the eight miles from the Ordnance Annex to Kilo Wharf for a major upload or download takes approximately 22 days to complete. Ordnance may sit in the wharf for as long as 15 to 30 days, creating major explosive safety issues. This situation prolongs ammunition-handling operations at Kilo Wharf, delays timely delivery of ammunition to the fleet, increases the cost of ammunition logistical support, and endangers civilians and personal property. This project will assist in the rapid movement of ordnance off of Kilo Wharf, thereby reducing explosives safety exposure to civilian ship traffic in the Outer Apra Harbor and on public roads.

**IMPACT IF NOT PROVIDED:**

The Navy will not have adequate space to handle and store containerized ordnance, and storage of ammunition on Kilo Wharf will continue for extended periods of time in order to meet the operational tempo on Guam. Civilian ship traffic in Apra Harbor will remain exposed to explosives hazards for prolonged time periods while munitions remain on Kilo Wharf. DoD facilities, schools and public highways will remain exposed while munitions

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N57043 COMMANDER NAVAL FORCES MARIANAS FINEGAYAN, GUAM			4.Project Title KILO WHARF IMPROVEMENTS	
5.Program Element 0212276N	6.Category Code 15210	7.Project Number P451	8.Project Cost (\$000) 12,500	
are transported on trucks between Kilo Wharf and the Ordnance Annex.				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of	SEPTEMBER	2003		3%
(E) Percent Completed as of	JANUARY	2004		3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				Yes
(B) Where Design Was Most Recently Used:				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$580
(A) Production of Plans and Specifications				\$500
(B) All other Design Costs				\$80
(C) Total				\$580
(D) Contract				\$80
(E) In-House				\$500
4. Contract Award				012005
5. Construction Start				042005
6. Construction Complete				042007
B. Equipment associated with this project which will be provided from other appropriations: None				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Joint Use is recommended.				
Activity POC: Rey Valdez			Phone No: (671) 339-8457	

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04								
3.Installation and Location: N62995 NAVAL AIR STATION SIGONELLA SICILY, ITALY		4.Command Commander, Navy Region Europe								
		5.Area Const Cost Index 1.15								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	257	2638	919	0	0	0	105	0	0	4509
b. End FY 2008	286	2607	919	0	0	0	105	590	0	4507
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( 5,064 Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									2,609,253
c.	AUTHORIZATION NOT YET IN INVENTORY.....									143,101
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									22,550
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									48,580
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									26,000
g.	REMAINING DEFICIENCY .....									183,035
h.	<b>GRAND TOTAL .....</b>									<b>3,032,519</b>
8. Projects Requested In This Program										
<u>Category</u>					<u>Cost</u>		<u>Design Status</u>			
<u>Code</u>	<u>Project Title</u>				<u>Scope</u>	<u>(\$000)</u>	<u>Start</u>	<u>Complete</u>		
61010	BASE OPERATIONS SUPPORT II				9146 M2	15120	08/2002	09/2004		
85110	ROADS				0 LS	7430	08/2002	04/2005		
TOTAL						22550				
9. Future Projects:										
a. Included In The Following Program:										
61010	BASE OPS SUPPORT III (COMBINED II(A) AND III)				5394 M2	48580				
TOTAL						48580				
b. Major Planned Next Three Years:										
61010	BASE OPERATIONS SUPPORT IV				778 M2	26000				
TOTAL						26000				
c. R&M Unfunded Requirement (\$000): 116,000										
10. Mission or Major Functions:										
Navy's major mid-Mediterranean shore installation used for logistic support of the Sixth Fleet and as a base of operations for deployed, land-based anti-submarine warfare (ASW) aircraft. Navy intra-theatre airlift squadron also assigned, with carrier on-board airlift mission. Support transient, carrier-based tactical aircraft as required. Presently supports Air Mobility Command (AMC) cargo flights and Military Airlift Command (MAC) passenger flights from the U.S. Provides air logistics interface with nearby Augusta Bay NATO fuel and ammunition replenishment pier and depot. Supports helicopter combat squadron and helicopter surveillance squadron.										
Note: Block 9a Base Operations Support III reflects the combination of two FY2006										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2.Date 02/18/04
3.Installation and Location: N62995 NAVAL AIR STATION SIGONELLA SICILY, ITALY	4.Command Commander, Navy Region Europe	5.Area Const Cost Index 1.15
projects, Base Operations Support II(A) and Base Operations Support III.		
11. Outstanding Pollution and Safety Deficiencies (\$000): a. Pollution Abatement(*): \$ 0 b. Occupational Safety and Health (OSH) (#): \$ 0		

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62995 NAVAL AIR STATION SIGONELLA SICILY, ITALY		4.Project Title BASE OPERATIONS SUPPORT II		
5.Program Element 0203176N	6.Category Code 61010	7.Project Number P640	8.Project Cost (\$000) 15,120	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
BASE OPERATIONS SUPPORT II (55,628 SF)	m2	5,168		10210
BASE OPERATIONS BUILDING (28,567 SF)	m2	2,654	1,723.65	(4570)
OPERATIONAL HAZARDOUS STORAGE (689 SF)	m2	64	1,945.85	(120)
APPLIED INSTRUCTION FACILITIES (26,372 SF)	m2	2,450	1,834.94	(4500)
BUILT-IN EQUIPMENT	LS			(630)
TECHNICAL OPERATING MANUALS	LS			(50)
INFORMATION SYSTEMS	LS			(40)
ANTI-TERRORISM/FORCE PROTECTION	LS			(300)
SUPPORTING FACILITIES				3310
SPECIAL CONSTRUCTION FEATURES	LS			(510)
ELECTRICAL UTILITIES	LS			(780)
MECHANICAL UTILITIES	LS			(780)
PAVING AND SITE IMPROVEMENTS	LS			(620)
DEMOLITION	LS			(160)
ENVIRONMENTAL MITIGATION	LS			(370)
ANTI-TERRORISM/FORCE PROTECTION	LS			(90)
SUBTOTAL				13520
CONTINGENCY (5%)				680
TOTAL CONTRACT COST				14200
SIOH (6.5%)				920
SUBTOTAL				15120
TOTAL REQUEST ROUNDED				15120
TOTAL REQUEST				15120
<b>10.Description of Proposed Construction</b>				
<p>Constructs three facilities for base operations support: a Public Works/Resident Officer In Charge of Construction administration facility, constructed in the Public Works compound; an applied instruction facility; and an operational hazardous storage facility. These facilities will be concrete and/or steel framed construction, heated and cooled, and provided with fire protection including sprinklers, alarm and detection systems. Built-in equipment includes an elevator in facilities over one-story. Facilities will be connected to the base-wide utility system and designed to Americans with Disabilities Act criteria. Site improvements include a pedestrian walkway to the parking garage and parking lots in accordance with the NAS II Recapitalization Plan. Utility distribution systems throughout the project extents will be replaced and the existing fire pump house will be upgraded to meet fire protection criteria. Construction of these facilities will be permanent, designed in accordance with Italian and U.S. seismic, building, fire and ventilation codes. Project includes relocation of Navy Environmental and Preventive Medicine Unit (NEPMU) 7. Navy anti-terrorism force protection criteria will be incorporated. Demolition of 11 existing facilities (3,744 m2) will be included. Special Construction Features include pile foundations.</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62995 NAVAL AIR STATION SIGONELLA SICILY, ITALY		4.Project Title BASE OPERATIONS SUPPORT II		
5.Program Element 0203176N	6.Category Code 61010	7.Project Number P640	8.Project Cost (\$000) 15,120	
Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders.				
<b>11.Requirement:</b> <u>4508m2</u> <b>Adequate:</b> <u>0m2</u> <b>Substandard:</b> <u>0m2</u>				
<b>PROJECT:</b>				
Provides adequate consolidated Base Operations Support facilities that fully comply with anti-terrorism force protection siting and construction criteria and eliminate current anti-terrorism force protection violations.				
<b>(Current Mission)</b>				
<b>REQUIREMENT:</b>				
This project is required to develop a systematic, methodical and executable program for the recapitalization of facilities at Naval Air Station (NAS) Sigonella Airfield Operations Area (NAS II). This project will reconfigure NAS II to eliminate anti-terrorism force protection and seismic violations and significantly enhance functional efficiency and base operations support; demolish and/or replace all unsafe, low equity, obsolete, inefficient, high maintenance facilities and structures, many of which violate anti-terrorism force protection siting criteria; reclaim and optimize use of scarce and wasted real estate, replace energy inefficient utility systems; and create expansion opportunities associated with future mission changes and expansion/contractions in accordance with theater-wide infrastructure/reduction vision. Consolidation of properly sited facilities, roadways and parking areas will allow maximum use of the scarce real estate at NAS II, which is currently overdeveloped with no available land for expansion.				
NAS II is the primary airfield operational support area for Sigonella; therefore, the recapitalization plan for this area requires the consolidation of various facilities to significantly enhance functional efficiency and the operational support environment.				
<b>CURRENT SITUATION:</b>				
Currently, the inhabited and high-occupancy facilities in the base operations portion of NAS II are in serious violation of the latest anti-terrorism force protection criteria for siting (setback distances from the base perimeter, existing roads, parking lots and other buildings), structural integrity and building materials. These violations cannot be remedied by building repairs, but require resiting of new facilities at proper setback distances. These facilities are also in violation of seismic safety criteria. The existing facilities are old, deficient, and inefficient. They have high maintenance costs and are dysfunctional from their originally intended uses. Additionally, they do not conform to Americans with Disabilities Act criteria or anti-terrorism force protection criteria.				
<b>IMPACT IF NOT PROVIDED:</b>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62995 NAVAL AIR STATION SIGONELLA SICILY, ITALY		4.Project Title BASE OPERATIONS SUPPORT II		
5.Program Element 0203176N	6.Category Code 61010	7.Project Number P640	8.Project Cost (\$000) 15,120	
<p>If the project is not constructed, the current situation will persist, contributing to a reduced quality of life in the workplace for personnel stationed at NAS Sigonella. Continued use of existing facilities, which are unsafe, obsolete, inefficient, and high maintenance, as well as land unavailability, will limit the expansion or enhancement to the base operational support and mission readiness. Anti-terrorism/force protection and seismic criteria violations will continue, subjecting personnel to serious life safety threats.</p>				
<b>12. Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				012004
(C) Date Design Completed				092004
(D) Percent Completed as of SEPTEMBER 2003				2%
(E) Percent Completed as of JANUARY 2004				35%
(F) Type of Design Contract			Design Bid Build	
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				N/A
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$1,050
(A) Production of Plans and Specifications				\$788
(B) All other Design Costs				\$262
(C) Total				\$1,050
(D) Contract				\$656
(E) In-House				\$394
4. Contract Award				112004
5. Construction Start				122004
6. Construction Complete				082006
B. Equipment associated with this project which will be provided from other appropriations: None				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N62995 NAVAL AIR STATION SIGONELLA SICILY, ITALY		4.Project Title BASE OPERATIONS SUPPORT II	
5.Program Element 0203176N	6.Category Code 61010	7.Project Number P640	8.Project Cost (\$000) 15,120
<p>Activity POC: John Governale <span style="float: right;">Phone No: 011-39-095-86-2368</span></p>			

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62995 NAVAL AIR STATION SIGONELLA SICILY, ITALY		4.Project Title ACCESS IMPROVEMENTS		
5.Program Element 0203576N	6.Category Code 85110	7.Project Number P265	8.Project Cost (\$000) 7,430	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
ACCESS IMPROVEMENTS	LS			6410
OFF BASE ACCESS ROAD IMPROVEMENTS	LS			(6410)
SUBTOTAL				6410
CONTINGENCY (5%)				320
TOTAL CONTRACT COST				6730
SIOH (6.5%)				440
SUBTOTAL				7170
DESIGN/BUILD - DESIGN COST				260
TOTAL REQUEST ROUNDED				7430
TOTAL REQUEST				7430
<b>10.Description of Proposed Construction</b>				
<p>Off-base access improvements will be provided on route SP105 from the Marinai housing complex to the main gate of NAS II and on route SP69 from the SS417 intersection to the Italian Air Force Gate. Existing route SP105 will be widened from two lanes to four lanes, exit/entrance acceleration and turn lanes will be provided and the SS417/SP105 intersection will be completely reconstructed to ensure all directions of traffic can safely enter and exit these roadways. The bridge on route SP105 that spans the Dittaino River will be upgraded to meet seismic requirements and widened to four lanes. The bridge on route SP105 that spans SS417 will be completely demolished and reconstructed with four lanes. Utilities will be re-routed as required to suit the new road and bridge alignments. Roadway lighting will be provided to meet highway design requirements. The existing two-lane route SP69 will be improved to meet current highway criteria for two-lane roads. Turn lanes will be added at the NAS II main gate to alleviate severe traffic congestion, which directly results in force protection vulnerability. Access will be improved to a total of six gates, including the weapons compound. All roadway design and construction shall conform to Italian regulations and standards. Design will be provided by U.S. sources and the Italian Government will execute construction.</p>				
<b>11.Requirement:</b> <u>LS</u> <b>Adequate:</b> <u>LS</u> <b>Substandard:</b> <u>LS</u>				
<b>PROJECT:</b>				
This project provides force protection upgrades to correct significant anti-terrorism/force protection vulnerabilities directly resulting from inadequate vehicular access, egress, queuing and inspection facilities at Naval Air Station II (NAS II) (Airfield Operations Area).				
<b>(Current Mission)</b>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62995 NAVAL AIR STATION SIGONELLA SICILY, ITALY		4.Project Title ACCESS IMPROVEMENTS		
5.Program Element 0203576N	6.Category Code 85110	7.Project Number P265	8.Project Cost (\$000) 7,430	
<p><b>REQUIREMENT:</b> Adequate vehicle queuing and inspection areas are required off-base to alleviate traffic congestion. Severe traffic congestion at the NAS II main gate directly compromises NAS Sigonella Security Department's ability to readily identify and defense against terrorist threats. The roadways need to be brought up to current standards and the entrances improved so that vehicles carrying ordnance between NAS II and the weapons compound can operate efficiently and with reasonable public safety. The peak traffic flows that will result from the new Marinai housing complex need to be accommodated.</p> <p><b>CURRENT SITUATION:</b> The existing roads are severely congested during normal daily rush hours and impassible during periods of high threat conditions. Vehicles queue onto high-speed route SS417, endangering station personnel and local nationals. The existing vehicle inspection area does not meet anti-terrorism/force protection setback requirements from the NAS Sigonella Security Building. Vehicles carrying ordnance cannot maneuver the existing roads in an efficient and safe manner. The existing bridges create bottlenecks, do not meet seismic requirements and were designed for local, rural traffic volumes. The bridges are inadequate and unsafe for the high volume of military and commercial traffic.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Without this project, Station personnel will continue to be vulnerable to terrorist threat due to severe traffic congestion. NAS Sigonella's Security Department will not be able to adequately control the traffic intersection immediately outside the main gate. Vehicles will continue to be inspected within close proximity to the Security Building. Ordnance transfer will continue along inadequate and unsafe roads.</p>				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				082002
(B) Date Design 35% Complete				092004
(C) Date Design Completed				042005
(D) Percent Completed as of	SEPTEMBER	2003		3%
(E) Percent Completed as of	JANUARY	2004		3%
(F) Type of Design Contract				Design Build
(G) Parametric Estimate used to develop cost				Yes
(H) Energy study/Life cycle analysis performed				Yes
2. Basis:				
(A) Standard or Definitive Design:				No
(B) Where Design Was Most Recently Used:				N/A

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62995 NAVAL AIR STATION SIGONELLA SICILY, ITALY			4.Project Title ACCESS IMPROVEMENTS	
5.Program Element 0203576N	6.Category Code 85110	7.Project Number P265	8.Project Cost (\$000) 7,430	
3. Total Cost (C) = (A) + (B) = (D) + (E) :				\$240
(A) Production of Plans and Specifications				\$200
(B) All other Design Costs				\$40
(C) Total				\$240
(D) Contract				\$40
(E) In-House				\$200
4. Contract Award				112004
5. Construction Start				122004
6. Construction Complete				042006
B. Equipment associated with this project which will be provided from other appropriations: None				
JOINT USE CERTIFICATION:				
The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.				
Activity POC: LT Darren Hale			Phone No: 011-39-095-86-6815	

1. Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>	2. Date 02/18/04								
3. Installation and Location: N62863 NAVAL STATION ROTA, SPAIN		4. Command Commander, Navy Region Europe								
		5. Area Const Cost Index 1.28								
6. Personnel										
	PERMANENT	STUDENTS	SUPPORT	Total						
a. As Of	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
09/30/03	281	1970	218	0	0	0	155	0	0	2869
b. End FY 2008	337	2355	218	0	0	0	155	245	0	3310
<b>7. INVENTORY DATA (\$000)</b>										
a.	TOTAL ACREAGE .....( 23,814 Acres).....									
b.	INVENTORY AS OF 30 Sep 2003 .....									974,780
c.	AUTHORIZATION NOT YET IN INVENTORY.....									23,454
d.	AUTHORIZATION REQUESTED IN THIS PROGRAM .....									32,700
e.	AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....									32,210
f.	PLANNED IN NEXT THREE PROGRAM YEARS .....									4,400
g.	REMAINING DEFICIENCY .....									231,602
h.	<b>GRAND TOTAL .....</b>									<b>1,299,146</b>
8. Projects Requested In This Program										
<u>Category</u>				<u>Scope</u>		<u>Cost</u>		<u>Design Status</u>		
<u>Code</u>	<u>Project Title</u>					<u>(\$000)</u>		<u>Start</u>	<u>Complete</u>	
61010	COMMAND OPS CONSOLIDATION			7077 m2		32700		08/2002	09/2004	
TOTAL						32700				
9. Future Projects:										
a. Included In The Following Program:										
21910	CONSOL PUBLIC WORKS FACS			11475 M2		32210				
TOTAL						32210				
b. Major Planned Next Three Years:										
81110	INSTALL GENERATORS			2 EA		4400				
TOTAL						4400				
c. R&M Unfunded Requirement (\$000): 137,000										
10. Mission or Major Functions:										
Major air base for Navy ASW and Ocean surveillance aircraft (P-3) covering western approaches to Gibraltar, Defense Communications Service in western Mediterranean and eastern Atlantic. Communication facility supports Defense Communications Service in western Mediterranean and maintains continuous contact with US 6th Fleet units afloat. Provides POL and ammunition storage. Major harbor facility (outside Mediterranean) supports transient 6th Fleet ship's logistics requirements. Military Aircraft Command passenger and cargo terminal.										
11. Outstanding Pollution and Safety Deficiencies (\$000):										
a. Pollution Abatement(*): \$ 0										
b. Occupational Safety and Health (OSH) (#): \$ 0										

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N62863 NAVAL STATION ROTA, SPAIN		4.Project Title CONSOLIDATE COMMAND OPS & SUPPORT FAC	
5.Program Element 0901376N	6.Category Code 61010	7.Project Number P645	8.Project Cost (\$000) 32,700

**9.COST ESTIMATES**

Item	UM	Quantity	Unit Cost	Cost(\$000)
CONSOLIDATE COMMAND OPS & SUPPORT FAC (76,176 SF)	m2	7,077		20710
COMMAND HQ OPERATIONS & SUPPORT BUILDING (45,445 SF)	m2	4,222	2,075.86	(8760)
CONSOLIDATED EDUCATIONAL FACILITY (19,946 SF)	m2	1,853	2,315.54	(4290)
RENOVATE BASE LIBRARY (7,911 SF)	m2	735	1,766.35	(1300)
ADDITION TO TELEPHONE EXCHANGE CENTER (1,076 SF)	m2	100	8,300.14	(830)
RENOVATE TELEPHONE EXCHANGE CENTER (1,798 SF)	m2	167	6,695.26	(1120)
TEMPORARY FACILITIES (FOR BLDG. 1)	LS			(550)
BUILT-IN EQUIPMENT	LS			(750)
TECHNICAL OPERATING MANUALS	LS			(330)
INFORMATION SYSTEMS	LS			(250)
ANTI-TERRORISM/FORCE PROTECTION	LS			(2530)
SUPPORTING FACILITIES				8530
SPECIAL CONSTRUCTION FEATURES	LS			(1520)
ELECTRICAL UTILITIES	LS			(1450)
MECHANICAL UTILITIES	LS			(1200)
PAVING AND SITE IMPROVEMENTS	LS			(2900)
DEMOLITION	LS			(1410)
ENVIRONMENTAL MITIGATION	LS			(50)
SUBTOTAL				29240
CONTINGENCY (5%)				1460
TOTAL CONTRACT COST				30700
SIOH (6.5%)				2000
SUBTOTAL				32700
TOTAL REQUEST ROUNDED				32700
TOTAL REQUEST				32700
EQUIPMENT FROM OTHER APPROPRIATIONS (NON ADD)				(410)

**10.Description of Proposed Construction**

Command Operations and Support Building: Construct a two-story, concrete-frame building, with concrete foundations, exterior concrete walls, and Arabic tile roofing. The facility will provide general administration spaces for the following command departments: Commanding Officer, Executive Staff, Public Affairs Office, Protocol, Career Counselor, Quarterdeck, Security Manager, Comptroller, Command Evaluation and Review Office (CERO), Base Safety, Manpower, Morale Welfare and Recreation, Staff Judge Advocate, Master at Arms, and Human Resources Office; the Personnel Support Detachment; the Legal Services Office; the Emergency Operations Center; the Credit Union.

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62863 NAVAL STATION ROTA, SPAIN		4.Project Title CONSOLIDATE COMMAND OPS & SUPPORT FAC		
5.Program Element 0901376N	6.Category Code 61010	7.Project Number P645	8.Project Cost (\$000) 32,700	
<p>Consolidated common areas such as break rooms, conference rooms, restrooms are also provided. Building features will include unclassified and classified communication systems, a card access system, and intrusion detection systems. The Command Operations and Support building is classified as a critical facility and must withstand structural damage from seismic events. No existing facilities are available to relocate personnel of Building 1 after demolition. Temporary facilities will be required until construction is completed.</p> <p>Consolidated Educational Facility: Construct a two-story, concrete-frame building, with concrete foundations, exterior concrete walls, and Arabic tile roofing as an addition to the existing library. This facility will provide consolidated classroom and administrative spaces for the following base functions: Family Service Center training, Navy Marine Corps Relief Society/American Red Cross, and Navy Campus. Renovation of the existing library is included.</p> <p>Telephone Exchange Facility: Renovate existing telephone exchange in Building 1, and construct an addition for equipment and support functions. Addition will be one-story, concrete-frame building, with concrete foundations, masonry walls, and Arabic tile roofing. This facility will provide office space, operational space and equipment space to house existing Spanish and U.S. switches.</p> <p>Anti-Terrorism/Force Protection measures will be included that comply with European Command and Department of Defense construction standards. The Consolidated Operation and Support Building includes Commander Naval Activities Spain and Commanding Officer's office as well as the emergency operations center.</p> <p>Buildings will also comply with Spanish and U.S. seismic, fire, and life safety criteria. The design will also incorporate applicable asbestos removal criteria. The project includes private and government vehicle parking, site improvements, information systems, energy management systems; utilities and mechanical heating, ventilating and air conditioning (HVAC), and landscaping consistent with the Naval Station Rota master-plan. Technical operating manuals are included. Sustainable design principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other laws and Executive Orders. Built-in equipment includes elevators and fire pumps. Special construction features include piling and sustainable design features.</p> <p>Demolition: This project demolishes 21 buildings (18,923 m2) total. Ten buildings (6,755 m2) are demolished for the Command Ops and Support Facilities to be consolidated in P645: masonry buildings 1 (3,213 m2 of total 3,380m2), 54 (281 m2), 197 (70 m2), 268</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62863 NAVAL STATION ROTA, SPAIN		4.Project Title CONSOLIDATE COMMAND OPS & SUPPORT FAC		
5.Program Element 0901376N	6.Category Code 61010	7.Project Number P645	8.Project Cost (\$000) 32,700	
<p>(227 m2), 521 (592 m2), 522 (219 m2), 1743 (793 m2), and metal buildings 1844 (223 m2); 1960 (766 m2), and 3044 (371 m2).</p> <p>The remaining 11 buildings (12,168 m2) are additional buildings required for demolition by the Rota Vision 21 Plan: masonry buildings 40 (6,366 m2), 263 (2,285 m2), 36 (1,486 m2) and metal buildings 175 (601 m2), 1531 (140 m2), 1532 (319 m2), 1533 (297 m2), 1626 (251 m2), 1633 (15 m2), 1831 (371 m2).</p> <p>The project also demolishes approximately 6,300 m2 of existing roadways and 9,500 m2 of existing parking lots.</p>				
<p><b>11.Requirement:</b>                    <u>7077m2</u>                    <b>Adequate:</b>                    <u>0m2</u>                    <b>Substandard:</b>                    <u>0m2</u></p> <p><b>PROJECT:</b> This project consolidates base administrative and support functions, currently performed in numerous buildings, into one primary facility; constructs a Navy Campus facility collocated with the current religious ministry and base library; and consolidates the telephone exchange facility from two separate facilities into one location. <b>(Current Mission)</b></p> <p><b>REQUIREMENT:</b> Naval Station (NAVSTA) Rota has been designated by U.S. European Command as an Enduring Base and its long-term joint strategic throughput mission is essential to the U.S. mission in theater. As such, it is a likely site for future consolidations of joint and Navy missions. Efficient administrative spaces that comply with European Command force protection construction standards are required for command and support operations at NAVSTA Rota. These operations employ 304 personnel and include the following mission essential functions: Commander Naval Activities Spain headquarters, emergency operations center, public affairs office, protocol, information security management, comptroller, naval legal services and base safety.</p> <p>The Naval Station Rota Recapitalization plan identifies 10 projects to replace old, inefficient and oversized facilities. The first project was FY2003 P-671, Security Complex and Fire Station. This project is the second project and will be constructed concurrently with P-503 Naval Exchange.</p> <p>Functions performed in obsolete administrative facilities must be consolidated into one primary Command Operations Building to improve operational command efficiency, provide workspaces that comply with force protection, seismic and structural standards and allow flexibility for future mission additions. It is also necessary to demolish existing obsolete buildings and paved areas that are excess to requirements, do not meet life safety criteria and impede construction of the projects included in future phases of the</p>				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N62863 NAVAL STATION ROTA, SPAIN		4.Project Title CONSOLIDATE COMMAND OPS & SUPPORT FAC		
5.Program Element 0901376N	6.Category Code 61010	7.Project Number P645	8.Project Cost (\$000) 32,700	

Rota Vision 21 Recapitalization Plan. In addition to the Command Operations Building, a Navy Campus Training Facility is required to provide adequate educational space for the military personnel and their dependents assigned to, and those joint military personnel transiting, Naval Station Rota. Provision of modern sustainable-designed facilities will allow Rota to operate at the maximum level of base operations efficiency.

**CURRENT SITUATION:**

The majority of administrative personnel at Naval Station Rota work in facilities that do not comply with minimal force protection measures. Sixty-seven percent of the administrative space to be replaced in this project is 40-45 years old. These masonry facilities do not incorporate structural elements to withstand progressive collapse, blast loads, or seismic loads. Renovation is not cost effective and offers minimal economic payback. Many of these buildings are not currently used for their designed purpose (e.g. an original hospital is being used as administrative space, an original fire station is being used as a credit union). The existing facilities are dispersed throughout the central portion of the base and are sited with parking lots which can no longer be used due to lack of force protection setback distances. This results in inefficient use of the land provided to the U.S. Navy by the Spanish host nation and conflicts with the Rota Vision 21 Development Plan. Future development of the base cannot proceed without consolidation of administrative functions and demolition of the inadequate facilities and parking lots.

**IMPACT IF NOT PROVIDED:**

Without this project, NAVSTA Rota personnel will continue to work in inefficiently configured, redundant, obsolete, dispersed and oversized facilities that do not comply with force protection criteria. Planned retail, morale, welfare and recreation and base support projects cannot be properly sited to develop an efficient pedestrian oriented base environment proposed by the Vision 21 Development Plan.

**12.Supplemental Data:**

A. Estimated Design

1. Status:

(A) Date Design Start	082002
(B) Date Design 35% Complete	012004
(C) Date Design Completed	092004
(D) Percent Completed as of SEPTEMBER 2003	2%
(E) Percent Completed as of JANUARY 2004	35%
(F) Type of Design Contract	Design Bid Build
(G) Parametric Estimate used to develop cost	Yes
(H) Energy study/Life cycle analysis performed	Yes

2. Basis:

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04																				
3.Installation and Location/UIC: N62863 NAVAL STATION ROTA, SPAIN		4.Project Title CONSOLIDATE COMMAND OPS & SUPPORT FAC																						
5.Program Element 0901376N	6.Category Code 61010	7.Project Number P645	8.Project Cost (\$000) 32,700																					
<p>(A) Standard or Definitive Design: No</p> <p>(B) Where Design Was Most Recently Used: N/A</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$2,616</p> <p>(A) Production of Plans and Specifications \$1,962</p> <p>(B) All other Design Costs \$654</p> <p>(C) Total \$2,616</p> <p>(D) Contract \$1,635</p> <p>(E) In-House \$981</p> <p>4. Contract Award 112004</p> <p>5. Construction Start 122004</p> <p>6. Construction Complete 122006</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th><u>Equipment</u></th> <th><u>Procuring</u></th> <th><u>Fiscal Year</u></th> <th><u>Cost</u></th> </tr> <tr> <th><u>Nomenclature</u></th> <th><u>Appropriation</u></th> <th><u>Appropriated</u> <u>Or Requested</u></th> <th><u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Fire protection system</td> <td>OPN</td> <td>2005</td> <td>\$205</td> </tr> <tr> <td>Energy Mgt and Control System</td> <td>OPN</td> <td>2005</td> <td>\$125</td> </tr> <tr> <td>Intrusion detection</td> <td>OPN</td> <td>2005</td> <td>\$80</td> </tr> </tbody> </table> <p>JOINT USE CERTIFICATION:</p> <p>The Regional Commander certifies that this project has been considered for joint use potential. Unilateral Construction is recommended. This Facility can be used by other components on an as available basis; however, the scope of the project is based on Navy requirements.</p> <p>Activity POC: CDR SCOTT HIGGINS Phone No: 011-34-9-56-82-2343</p>					<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>	<u>Cost</u>	<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u> <u>Or Requested</u>	<u>(\$000)</u>	Fire protection system	OPN	2005	\$205	Energy Mgt and Control System	OPN	2005	\$125	Intrusion detection	OPN	2005	\$80
<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>	<u>Cost</u>																					
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u> <u>Or Requested</u>	<u>(\$000)</u>																					
Fire protection system	OPN	2005	\$205																					
Energy Mgt and Control System	OPN	2005	\$125																					
Intrusion detection	OPN	2005	\$80																					

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N64482 PLANNING /DESIGN WASHINGTON, DISTRICT OF COLUMBIA		4.Project Title PLANNING AND DESIGN		
5.Program Element 0901211N	6.Category Code	7.Project Number P205	8.Project Cost (\$000) 87,067	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
PLANNING AND DESIGN	LS			87070
DESIGN COSTS	LS			(87070)
SUBTOTAL				87070
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				87070
SIOH (0%)				0
SUBTOTAL				87070
TOTAL REQUEST ROUNDED				87070
TOTAL REQUEST				87067
<b>10.Description of Proposed Construction</b>				
<p>Funds to be utilized under Title 10 USC 2807 for architectural and engineering services and construction design in connection with military construction projects including regular program projects, unspecified minor construction, emergency construction, land appraisals, and special projects as directed. Engineering investigations, such as field surveys and foundation exploration, will be undertaken as necessary.</p>				
<b>11.Requirement:</b>				
<b>PROJECT:</b>				
Planning and design funds. (Current Mission)				
<b>REQUIREMENT:</b>				
All projects in a military construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. These costs for architectural and engineering services and construction design are not provided for in the construction project cost estimates except in those where Design/Build contracting method is used.				
<b>CURRENT SITUATION:</b>				
N/A				
<b>IMPACT IF NOT PROVIDED:</b>				
N/A				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				
(B) Date Design 35% Complete				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N64482 PLANNING /DESIGN WASHINGTON, DISTRICT OF COLUMBIA		4.Project Title PLANNING AND DESIGN	
5.Program Element 0901211N	6.Category Code	7.Project Number P205	8.Project Cost (\$000) 87,067
<p>(C) Date Design Completed</p> <p>(D) Percent Completed as of SEPTEMBER 2003</p> <p>(E) Percent Completed as of JANUARY 2004</p> <p>(F) Type of Design Contract</p> <p>(G) Parametric Estimate used to develop cost</p> <p>(H) Energy study/Life cycle analysis performed</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design:</p> <p>(B) Where Design Was Most Recently Used:</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$0</p> <p>(A) Production of Plans and Specifications</p> <p>(B) All other Design Costs</p> <p>(C) Total \$0</p> <p>(D) Contract</p> <p>(E) In-House</p> <p>4. Contract Award</p> <p>5. Construction Start</p> <p>6. Construction Complete</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>JOINT USE CERTIFICATION: N/A</p> <p>Activity POC: CDR Erica Sahler Phone No: (703)-601-1631</p>			

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>			2.Date 02/18/04
3.Installation and Location/UIC: N64481 MINOR CONSTRUCTION WASHINGTON, DISTRICT OF COLUMBIA		4.Project Title UNSPECIFIED MINOR CONSTRUCTION		
5.Program Element 0901211N	6.Category Code	7.Project Number P205	8.Project Cost (\$000) 12,000	
<b>9.COST ESTIMATES</b>				
Item	UM	Quantity	Unit Cost	Cost(\$000)
UNSPECIFIED MINOR CONSTRUCTION	LS			12000
UNSPECIFIED MINOR CONSTRUCTION	LS			(12000)
SUBTOTAL				12000
CONTINGENCY (0%)				0
TOTAL CONTRACT COST				12000
SIOH (0%)				0
SUBTOTAL				12000
TOTAL REQUEST ROUNDED				12000
TOTAL REQUEST				12000
<b>10.Description of Proposed Construction</b>				
<p>Projects authorized by Title 10 USC 2805 not otherwise authorized by law having an approved cost of \$1,500,000 or less, including construction, alteration, or conversion of permanent or temporary facilities. Projects intended solely to correct a deficiency that is life-threatening, health-threatening, or safety-threatening, may have an approved cost equal to or less than \$3,000,000. Total request includes funds for supervision, inspection, and overhead.</p>				
<b>11.Requirement:</b>				
<b>PROJECT:</b>				
Unspecified Minor Construction. (Current Mission)				
<b>REQUIREMENT:</b>				
Title 10 USC 2805 provides authority to the Secretary of Defense and the Secretaries of the Military Departments to acquire, construct, extend, alter or install permanent facilities having an approved cost of \$1,500,000 or less not otherwise authorized by law. Included are those items required for which a need cannot reasonably be foreseen nor justified in time to be included in an annual military construction program, but are so urgently required that financing cannot be deferred until legislation in support of a new program is enacted.				
<b>CURRENT SITUATION:</b>				
N/A				
<b>IMPACT IF NOT PROVIDED:</b>				
N/A				
<b>12.Supplemental Data:</b>				
A. Estimated Design				
1. Status:				
(A) Date Design Start				
(B) Date Design 35% Complete				

1.Component NAVY	<b>FY 2005 MILITARY CONSTRUCTION PROGRAM</b>		2.Date 02/18/04
3.Installation and Location/UIC: N64481 MINOR CONSTRUCTION WASHINGTON, DISTRICT OF COLUMBIA		4.Project Title UNSPECIFIED MINOR CONSTRUCTION	
5.Program Element 0901211N	6.Category Code	7.Project Number P205	8.Project Cost (\$000) 12,000
<p>(C) Date Design Completed</p> <p>(D) Percent Completed as of SEPTEMBER 2003</p> <p>(E) Percent Completed as of JANUARY 2004</p> <p>(F) Type of Design Contract</p> <p>(G) Parametric Estimate used to develop cost</p> <p>(H) Energy study/Life cycle analysis performed</p> <p>2. Basis:</p> <p>(A) Standard or Definitive Design:</p> <p>(B) Where Design Was Most Recently Used:</p> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) : \$0</p> <p>(A) Production of Plans and Specifications</p> <p>(B) All other Design Costs</p> <p>(C) Total \$0</p> <p>(D) Contract</p> <p>(E) In-House</p> <p>4. Contract Award</p> <p>5. Construction Start</p> <p>6. Construction Complete</p> <p>B. Equipment associated with this project which will be provided from other appropriations: None</p> <p>JOINT USE CERTIFICATION: N/A</p> <p>Activity POC: CDR Erica Sahler Phone No: 703-601-1631</p>			